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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 JUL 02 LMedLINE coverage updated
NEWS 3 JUL 02 SCISEARCH enhanced with complete author names
NEWS 4 JUL 02 CHEMCATS accession numbers revised
NEWS 5 JUL 02 CA/Caplus enhanced with utility model patents from China
NEWS 6 JUL 16 Caplus enhanced with French and German abstracts
NEWS 7 JUL 18 CA/Caplus patent coverage enhanced
NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9 JUL 30 USGENE now available on STN
NEWS 10 AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 11 AUG 06 FSTA enhanced with new thesaurus edition
NEWS 12 AUG 13 CA/Caplus enhanced with additional kind codes for granted patents
NEWS 13 AUG 20 CA/Caplus enhanced with CAS indexing in pre-1907 records
NEWS 14 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 15 AUG 27 USPATOLD now available on STN
NEWS 16 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 17 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 18 SEP 13 FORIS renamed to SOFIS
NEWS 19 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 20 SEP 17 CA/Caplus enhanced with printed CA page images from 1967-1998
NEWS 21 SEP 17 Caplus coverage extended to include traditional medicine patents
NEWS 22 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 23 OCT 02 CA/Caplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 24 OCT 19 BEILSTEIN updated with new compounds

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 22:56:05 ON 07 NOV 2007

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 22:56:15 ON 07 NOV 2007

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 NOV 2007 HIGHEST RN 952567-23-6
 DICTIONARY FILE UPDATES: 6 NOV 2007 HIGHEST RN 952567-23-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

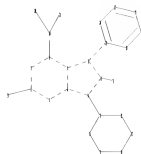
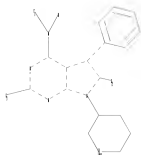
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdnoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10534427b.str



```

chain nodes :
10 19 20 21 31
ring nodes :
1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 25 26 27 28 29 30
chain bonds :
2-19 4-10 7-25 8-31 9-11 10-20 10-21
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 11-12 11-16 12-13 13-14 14-15
15-16 25-26 25-30 26-27 27-28 28-29 29-30
exact/norm bonds :
1-2 1-6 2-3 2-19 3-4 4-5 4-10 5-6 5-7 6-9 7-8 7-25 8-9 8-31 9-11
10-20
exact bonds :
10-21 11-12 11-16 12-13 13-14 14-15 15-16
normalized bonds :
25-26 25-30 26-27 27-28 28-29 29-30
isolated ring systems :
containing 1 : 11 :

```

G1:H,CH3

G2:H,X,Ak

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 19:CLASS 20:CLASS 21:CLASS
25:CLASS 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:CLASS

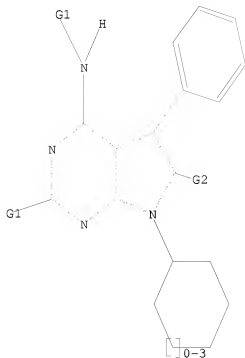
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L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 H, Me

G2 H, X, Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 22:56:39 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 139 TO ITERATE

100.0% PROCESSED 139 ITERATIONS

44 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 2073 TO 3487

PROJECTED ANSWERS: 483 TO 1277

L2 44 SEA SSS SAM L1

=> s l1 ful

FULL SEARCH INITIATED 22:56:45 FILE 'REGISTRY'

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100.0% PROCESSED 2773 ITERATIONS 899 ANSWERS
SEARCH TIME: 00.00.01

L3 899 SEA SSS FUL L1

=> fil capl

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.55

172.76

FILE 'CAPLUS' ENTERED AT 22:57:33 ON 07 NOV 2007

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FILE COVERS 1907 - 7 Nov 2007 VOL 147 ISS 20

FILE LAST UPDATED: 6 Nov 2007 (20071106/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l3

L4 25 L3

=> s l4 not (2007/so or 2006/so or 2005/so or 2004/so or 2003/so)

685299 2007/SO

901244 2006/SO

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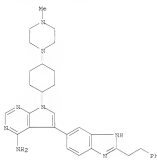
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1	INVENTOR 1 OF 25	CAPLUS COPYRIGHT 2007 ACS on STM
2	ACCESSION NUMBER:	2007-703453 CAPLUS
3	DOCUMENT NUMBER:	167124435
4	TITLE:	Preparation of pyrazolo[3,4-d]pyrimidine derivatives as protein kinase inhibitors
5	INVENTOR(S):	Sheppard, George; Wang, Gary; Palacios, Fabio; Bell, Randy; Marten, Robert; Wang, Jimmy; Hubbard, Robert; Kwaki, Namsik; Erickson, Scott; Bauman, Neil
6	FLDNAME:	
7	PATENT ASSIGNEE(S):	Schv
8	SOURCE:	Abbott Laboratories, USA PCT Int. Appl., 20pp. CISDB: P162620
9	DOCUMENT TYPE:	Patent
10	LANGUAGE:	English
11	FAMILY ACQ. DEM. COUNT:	1
12	LINK INFORMATION:	

[illegible]

INDEX SOURCE(S) NAME MOVIEW 747166375
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 chlorophenyl]-2-benzimidazol-5-yl]-7H-pyrrolo[2,3-d]pyrimidin-4-amine
 943732-59-02, cis-1,4-[4-Methylpiperazin-3-yl]cyclohexyl]-5-[2-
 phenylacetyl]-2-benzimidazol-5-yl]-7H-pyrrolo[2,3-d]pyrimidin-4-amine
 943732-59-03, cis-1,4-[2-(2-Chlorophenyl)-1,8-benzimidazol-5-yl]-7-
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 943732-37-6r, cis-1,4-benzyl-2-benzimidazol-5-yl]-7-[(4-[4-
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 imino]-5H-pyrido[2,3-b]pyridine-6-carboxamide-1,8-indol-5-
 yl]-1H-indole-3-carboxamide
 943732-69-8r, cis-1,4-[4-Amino-5-[1-(2-chlorophenyl)-2-indol-5-
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 943732-70-3r, cis-1,4-[4-Amino-5-[1-(2-fluorophenyl)-2-indol-5-
 yl]-7H-pyrrolo[2,3-d]pyrimidin-4-yl]cyclohexyl]-1-isopropylpiperazin-2-one
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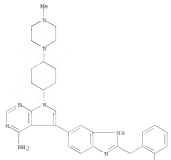
15. ANSWER 1 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
Relative stereochemistry.



FN 943971-65-1 CAPLOS
CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[2-[(2-chlorophenyl)methyl]-1H-benzimidazol-6-yl]-7- [cis-4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA
INDEX NAME

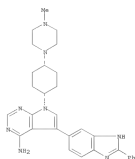
Relative stereochemistry

PAGE 3-8

[illegible]

	(prepn. of pyrazolo[3,4-d]pyrimidin-4-amines as protein kinase inhibitors for treatment of cancers)	
EN	943970-59-Q	CAPLOS
CH	78-Pyrazolo[2,3-d]pyrimidin-4-amine, 7-[cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-5-(2-phenyl-1H-benzimidazol-6-yl)-	(CA INDEX NAME)

Relative stereochemistry.

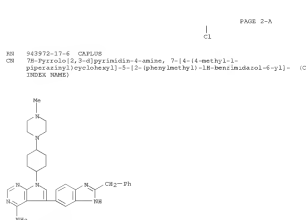


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IN 943970-60-3 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[cis-4-[4-methyl-1-
piperazinyl]cyclohexyl]-5-[2-(2-phenylethyl)-1H-benzimidazol-6-yl]- (CA
INDEX NAME)

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1.5 ANSWER 1 OF 25 CAPLOS COPYRIGHT 2007 ACS on STM (Continued)

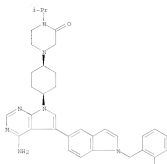


HN 943972-68-7 CAPLOS
 CN 2-Piperazine, 4-
 4-[(cis-4-[4-amino-5-[1-[(2-fluorophenyl)methyl]-1H-indol-5-
 -yl]-7H-pyrrolo[2,3-d]pyrimidin-2-yl)cyclohexyl]-1-(1-methylethyl)-

Relative stereochemistry.

15 ANSWER 1 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



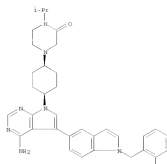
PAGE 2-A

RN 943972-69-8 CAPLUS
 CN 2-Piperazinone,
 4-[[4-[[4-amino-5-[[1-[[2-chlorophenyl]methyl]-1H-indol-5-yl]-7H-pyrrolo[1,3-d]pyrimidin-7-yl]cyclohexyl]-3-[[1-methylethyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 1 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



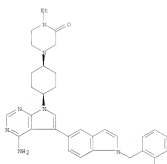
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RN 943972-70-1 CAPLUS
 CN 2-Piperazinone,
 4-[[4-[[4-amino-5-[[1-[[2-fluorophenyl]methyl]-1H-indol-5-yl]-7H-pyrrolo[1,3-d]pyrimidin-7-yl]cyclohexyl]-3-ethyl- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 1 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



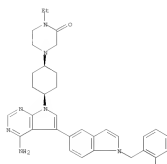
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RN 943972-71-2 CAPLUS
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 4-[[4-[[4-amino-5-[[1-[[2-chlorophenyl]methyl]-1H-indol-5-yl]-7H-pyrrolo[1,3-d]pyrimidin-7-yl]cyclohexyl]-1-ethyl- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 1 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

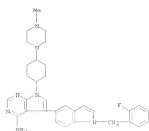
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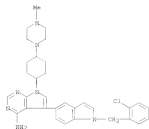
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RN 943972-72-3 CAPLUS
 CN 7H-Pyrrolo[1,3-d]pyrimidin-4-amine,
 5-[[1-[[1-fluorophenyl]methyl]-1H-indol-5-yl]-7-[[4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

15 ANSWER 1 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 943972-71-4 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[1-[(2-chlorophenyl)methyl]-1H-indol-5-yl]-7-[4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

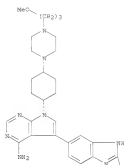


HN 943973-61-3 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[2-[(2-methoxyphenyl)methyl]-1H-benzimidazol-6-yl]-7-[trans-4-[4-(3-methoxypropyl)-1-piperazinyl]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 1 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



HN 943973-92-0 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[trans-4-[2-methoxyethyl]cyclohexyl]-5-[2-[(2-methoxyphenyl)methyl]-1H-benzimidazol-6-yl]- (CA INDEX NAME)

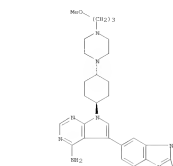
Relative stereochemistry.



PAGE 2-A

15 ANSWER 1 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



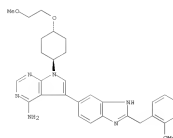
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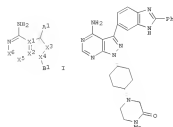
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Relative stereochemistry.

15 ANSWER 1 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



GI



II

AB Title comp. represented by the formula I wherein one of X1 or X2 is C and the other is C or N; X3 = C(R), C(alkyl) or N; X4 = H or C; X5 = C(R) or N; X6 = C(R) or N; X7 = (unfused Ph or heterocaryl); R1 = (unfused Ph, heterocaryl, cycloalkyl), etc.; and their salts thereof) were prepared as protein kinase inhibitors. For example, I was provided in a multi-step synthesis starting from condensation of 4-bromobenzene-1,2-diamine with benzaldehyde. I were tested for KDR inhibition by using SF-9 cells. Thus, I and their pharmacological congeners are useful as protein kinase inhibitors for the treatment of cancers.

15 ANSWER 2 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

ACCESSION NUMBER: 2007-72053 CAPLUS

DOCUMENT NUMBER: 147134422

TITLE:

Combined treatment with and composition of 6,8-bis(hetero) ring substituted heterocyclopyrrole protein

kinase inhibitor and anti-cancer agents

Jia, Qun-Sheng; Arnold, Lee D.; Melville, Mark Joseph

OAI Pharmaceuticals, Inc., USA

PCT Int. Appl., 28pp.

CODES: P1000

Patent

English

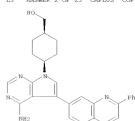
FAMILY AC. NUM. COUNTR.

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007015544	A2	20070705	WO 2006-054822	20041210
WO 2007015544	A3	20070930		
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RU, AR, BR, BG, CH, CY, CZ, DE, DK, ES, FI, FR, GB, GR, HU, IE, IL, IN, JP, KR, MA, MC, MD, ME, MG, MK, MN, MU, MV, MW, MY, NZ, OM, PA, PE, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, SM, ST, SV, TH, TN, TR, TT, UA, US, UY, VZ, WO, ZA, ZM, ZW				
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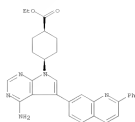
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 RU: PAC (Pharmacological activity); THO (Therapeutic use); RIGL (Biological study); INDEX (Index)
 (combined treatment with heterocycle ring substituted heterocyclopyrrole kinase inhibitors and EGFR kinase inhibitors and anti-cancer agents)
 RU 867161-44-2 CAPLUS
 CN Cyclohexanecarboxamide, 4-[4-amino-5-(2-(2-pyridinyl)-7-quinolyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-, cis- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 2 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)



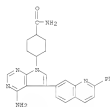
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Relative stereochemistry.

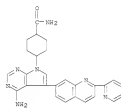


RU 867161-49-8 CAPLUS
 CN Cyclohexanecarboxamide, 4-[4-amino-5-(2-phenyl-7-quinolyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]- (CA INDEX NAME)

15 ANSWER 2 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

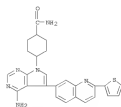


RU 867161-50-1 CAPLUS
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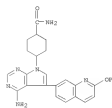


RU 867161-51-2 CAPLUS
 CN Cyclohexanecarboxamide, 4-[4-amino-5-(2-(2-thienyl)-7-quinolyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]- (CA INDEX NAME)

15 ANSWER 2 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)



RU 867161-52-3 CAPLUS
 CN Cyclohexanecarboxamide, 4-[4-amino-5-(2-phenyl-7-quinolyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]- (CA INDEX NAME)

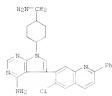


RU 867161-52-4 CAPLUS
 CN Cyclohexanecarboxamide, 4-[4-amino-5-(2-phenyl-7-quinolyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-8-methyl- (CA INDEX NAME)

15 ANSWER 2 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

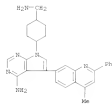
IN 861143-83-2 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[6-chloro-2-phenyl-7-quinolyl]- (CA INDEX NAME)



IN 861143-81-4 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[4-methyl-2-phenyl-7-quinolyl]- (CA INDEX NAME)



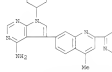
IN 861143-89-4 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[4-methyl-2-(2-thienyl)-7-quinolyl]- (CA INDEX NAME)

15 ANSWER 2 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

IN 861143-89-4 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[4-methyl-2-(2-thienyl)-7-quinolyl]- (CA INDEX NAME)

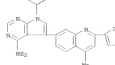


AB The present invention is directed to compns. and methods for treating cancer patients comprising administering to the patient simultaneously or sequentially a therapeutically effective amount of an epidermal growth factor receptor kinase (EGFR kinase) inhibitor and a novel 6-bicyclic ring substituted heterocyclic kinase-like growth factor 2 receptor kinase (IGF2R kinase) inhibitor, with or without adjuv. agents or treatments, such as other anticancer drugs or radiation therapy. The invention further encompasses a pharmaceutical composition that is comprised of an EGFR kinase inhibitor and IGF1R kinase inhibitor combination with a pharmaceutically acceptable carrier.

15 ANSWER 2 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

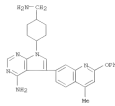
IN 861143-81-4 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[4-methyl-2-phenoxymethyl-7-quinolyl]- (CA INDEX NAME)



IN 861143-83-2 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[4-methyl-2-(2-pyridinyl)-7-quinolyl]- (CA INDEX NAME)



IN 861143-83-2 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[4-methyl-2-(2-pyridinyl)-7-quinolyl]- (CA INDEX NAME)

IN 861143-83-2 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[4-methyl-2-(2-pyridinyl)-7-quinolyl]- (CA INDEX NAME)

15 ANSWER 3 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004061435 CAPLUS

DOCUMENT NUMBER: 145137879

TITLE: Pyrimidine derivative kinase modulators and therapeutic use
 INVENTOR(S): Chen, Jeff; Dairymple, Lisa Esther; Epantev, Sergey; Fozzard, Timothy Patrick; Hough, Tai Phat; Ibrahim, Mohamed Abdulkader; Leahy, James M.; Lewis, Gary Lee; Mason, Gregory; Menn, Larry M.; Mouchar, Robin; Tamara, Rudway; Brian Hugh; Sangalang, Joan Cruz; Schnepf, Kevin Luke; Shi, Alan; Takeuchi, Craig Stacey; Williams, Matthew Alan; Huns, John; Cheung, Alwood R.
 PATENT ASSIGNEE(S): Beechline, Inc., USA
 SOURCE: PCT Int. Appl., 134 pp.
 DOCUMENT TYPE: CODING: P14AD2
 LANGUAGE: Patent
 English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

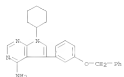
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006074057	A2	20060713	WO 2005-054742	20051228
WO 2006074057	A3	20061026		
US 2006074057	A1	20060713	US 2005-054742	20051228
US 2006074057	A2	20061026		
US 2006074057	A3	20061026		
US 2006074057	A4	20061026		
US 2006074057	A5	20061026		
US 2006074057	A6	20061026		
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US 2006074057	A99	20061026		
US 2006074057	A100	20061026		

OTHER SOURCE(S): NUS807 145137879
 IT 231743-82-8 898278-72-6
 RU PAC (Pharmacological activity); THU (Therapeutic use); BGL (Biological study); USE (Use)
 (pyrimidine derivative kinase modulators and therapeutic use)
 IN 861143-82-9 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-cyclopentyl-5-(3-phenoxymethyl)- (CA INDEX NAME)

15 ANSWER 3 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STM (Continued)



FIG. 19-12-6 CAPLUS
CN 78-Pyrazolo[2,3-d]pyridine-6-amine, 7-cyclohexyl-5-[3-(phenylmethoxy)phenyl]- (CA INDEX NAME)



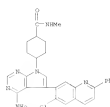
AB The invention provides pyrazine, and methods for inhibition of kinases, more specifically TOR1B kinases. The invention also provides compounds and methods for inhibition of wildtype Abl. The invention provides compounds for modulating protein kinase enzymic activity for modulating cellular activities such as proliferation, differentiation, programmed cell death, migration and chemoinvasion. Compounds of the invention inhibit, regulate and/or modulate kinase receptor signal transduction pathways related to the changes in cellular activities as mentioned above, and the invention includes compounds which contain these compounds, and methods of using them to treat kinase-dependent diseases and conditions. Preparation of pyrazine derivative is included.

15 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STM

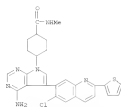
ACCESSION NUMBER: 2005:1170642 CAPLUS
141405828
TITLE: Preparation of 6,6-bis(cyclohexyl) ring substituted heterocyclic protein kinase inhibitors
Arnsdorf, Lora D.; Chastain, Carol; Coates, Heather; Crow, Andrew; Philip, Dong; Hargrove, Foreman, Kenneth
Krisien
Ayako; Lauer, Radomaw, Lu, An-Bai; Nishikawa, Michael; Nishikawa, Mark; Joseph, Nigro, Anthony; Panicker, Rajar; Stearns, Arno G.; Sun, Yingshan; Wang, Qianhui; Weiser, Douglas S.; Wiley, Richard J.; Zhang, Tao
West Pharmaceuticals, Inc., USA
PCT Int. Appl., 453 pp
CIS/BI FIELD
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	WO 2005/097800	A1	20051020	WO 2005-097800	20050331
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15 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

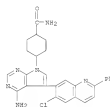


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CN Cyclohexanecarboxamide, 4-[4-amino-5-[6-chloro-2-(2-thienyl)-7-quinolyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-N-methyl- (CA INDEX NAME)

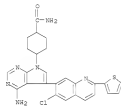


867168-61-0 CAPLUS
CN Cyclohexanecarboxamide, 4-[4-amino-5-[6-chloro-2-(2-thienyl)-7-quinolyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-N-methyl- (CA INDEX NAME)

15 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

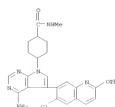


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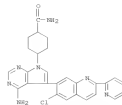


867168-75-0 CAPLUS
CN Cyclohexanecarboxamide, 4-[4-amino-5-[6-chloro-2-(2-thienyl)-7-quinolyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]- (CA INDEX NAME)

15 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

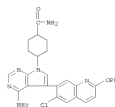


867168-69-2 CAPLUS
CN Cyclohexanecarboxamide, 4-[4-amino-5-[6-chloro-2-(2-pyridinyl)-7-quinolyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]- (CA INDEX NAME)

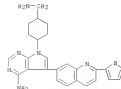


867168-71-6 CAPLUS
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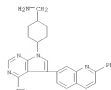
15 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



867168-76-1 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[2-(2-thienyl)-7-quinolyl]- (CA INDEX NAME)



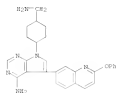
867168-77-2 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[2-(2-thienyl)-7-quinolyl]- (CA INDEX NAME)



15 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

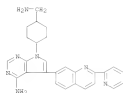
RN 867168-78-3 CAPLUS

CN 78-Pyrazolo[2,3-d]pyrimidin-6-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[2-phenoxy-7-quinolyl]- (CA INDEX NAME)



RN 867168-79-4 CAPLUS

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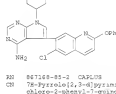
RN 867168-80-7 CAPLUS

CN 78-Pyrazolo[2,3-d]pyrimidin-6-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[6-chloro-2-(2-thienyl)-7-quinolyl]- (CA INDEX NAME)

15 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

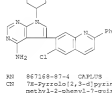
RN 867168-82-2 CAPLUS

CN 78-Pyrazolo[2,3-d]pyrimidin-6-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[6-chloro-2-phenyl-7-quinolyl]- (CA INDEX NAME)



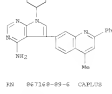
RN 867168-83-3 CAPLUS

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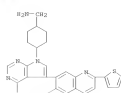
RN 867168-84-4 CAPLUS

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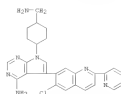
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15 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 867168-82-9 CAPLUS

CN 78-Pyrazolo[2,3-d]pyrimidin-6-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[6-chloro-2-(2-pyridinyl)-7-quinolyl]- (CA INDEX NAME)

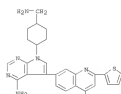


RN 867168-83-0 CAPLUS

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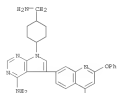
15 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 78-Pyrazolo[2,3-d]pyrimidin-6-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[4-methyl-2-(2-thienyl)-7-quinolyl]- (CA INDEX NAME)



RN 867168-91-0 CAPLUS

CN 78-Pyrazolo[2,3-d]pyrimidin-6-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[4-methyl-2-phenyl-7-quinolyl]- (CA INDEX NAME)



RN 867168-93-2 CAPLUS

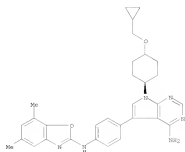
CN 78-Pyrazolo[2,3-d]pyrimidin-6-amine, 7-[4-(aminomethyl)cyclohexyl]-5-[4-methyl-2-(2-pyridinyl)-7-quinolyl]- (CA INDEX NAME)

10534427b.trn

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(trans-4-oxocyclopropylmethyl)cyclohexyl]-3-[(4-[(5,7-dimethyl-2-benzoxazolyl)amino]phenyl)- (CA INDEX NAME)

Relative stereochemistry.



RN 862723-57-7 CAPLUS

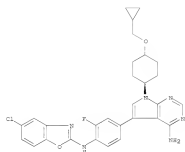
CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(cis-4-(cyclopropylmethoxy)cyclohexyl)-5-[(4-[(5,7-dimethyl-2-benzoxazolyl)amino]phenyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 3-Isocouphenyl-1-[(trans-6-(cyclopropylmethoxy)cyclohexyl)- (CA INDEX NAME)

Relative stereochemistry.



RN 862723-61-3 CAPLUS

CN Acetamide, 2-[(trans-4-[4-amino-3-[(4-[(5,7-dimethyl-2-benzoxazolyl)amino]phenyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]amino)-, diacetate (9CI) (CA INDEX NAME)

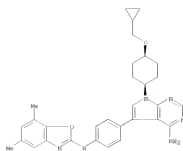
CN 3

CNF 862723-60-2

CNF C29 R32 NH O2

Relative stereochemistry.

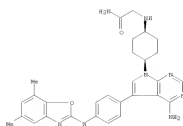
15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 862723-58-8 CAPLUS

CN Acetamide, 2-[(cis-4-[4-amino-5-[(4-[(5,7-dimethyl-2-benzoxazolyl)amino]phenyl)-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]amino)- (CA INDEX NAME)

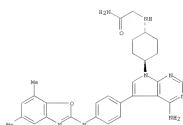
Relative stereochemistry.



RN 862723-59-9 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[(4-[(5-chloro-2-benzoxazolyl)amino]- (CA INDEX NAME)

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CNF 64-19-7

CNF C2 H4 O2

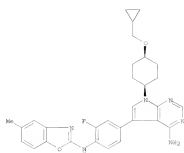


RN 862723-62-4 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(cis-4-(cyclopropylmethoxy)cyclohexyl)-5-[(5-chloro-4-[(5-methyl-2-benzoxazolyl)amino]phenyl)- (CA INDEX NAME)

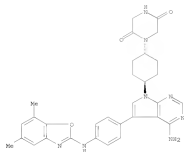
Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

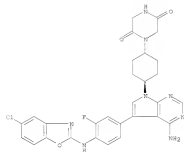


RII 862723-63-5 CAPLUS
 CN 2,5-Piperazine-1-one, 1-[trans-4-[4-amino-5-[4-[(5,7-dimethyl-2-benzoxazolyl)amino]phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-
 (CA INDEX NAME)

Relative stereochemistry.



15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)



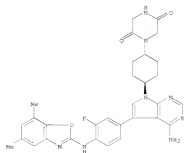
RII 862723-69-0 CAPLUS
 CN 2,5-Piperazine-1-one, 1-[trans-4-[4-amino-5-[4-[(5,7-dimethyl-2-benzoxazolyl)amino]-3-fluorophenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-, monoacetate (9CI) (CA INDEX NAME)

CH 1

CMI 862723-67-9

CMF C31 R25 F R3 G3

Relative stereochemistry.



15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

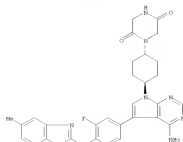
RII 862723-65-7 CAPLUS
 CN 2,5-Piperazine-1-one, 1-[trans-4-[4-amino-5-[3-fluoro-4-[(5-methyl-2-benzoxazolyl)amino]phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-, monoacetate (9CI) (CA INDEX NAME)

CH 1

CMI 862723-64-6

CMF C30 R29 F R3 G3

Relative stereochemistry.



CH 2

CMI 64-19-7

CMF C2 R4 G2



RII 862723-66-8 CAPLUS
 CN 2,5-Piperazine-1-one, 1-[trans-4-[4-amino-5-[4-[(5-chloro-2-benzoxazolyl)amino]-3-fluorophenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

CH 2

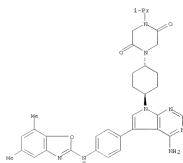
CMI 64-19-7

CMF C2 R4 G2



RII 862723-69-1 CAPLUS
 CN 2,5-Piperazine-1-one, 1-[trans-4-[4-amino-5-[4-[(5,7-dimethyl-2-benzoxazolyl)amino]phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-4-[(1-methylethyl)- (CA INDEX NAME)

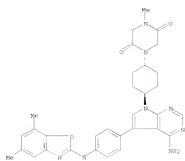
Relative stereochemistry.



RII 862723-74-8 CAPLUS
 CN 2,5-Piperazine-1-one, 1-[trans-4-[4-amino-5-[4-[(5,7-dimethyl-2-benzoxazolyl)amino]phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-4-methyl- (CA INDEX NAME)

Relative stereochemistry.

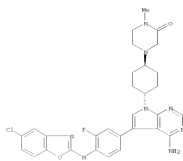
15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 862723-89-5 CAPLUS
 CH Fipertazincine, 4-[(trans-4-[4-amino-5-[4-[(5-chloro-2-benzoxazolyl)amino]-2-fluorophenyl]-7H-pyrrolo[2,3-d]pyridin-7-yl)cyclohexyl]-1-methyl]- (9CI)
 (CA INDEX NAME)

Relative stereochemistry.

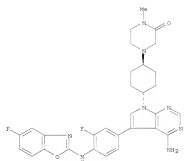
15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 862723-90-8 CAPLUS
 CH Fipertazincine, 4-[(trans-4-[4-amino-5-[3-fluoro-4-[15-fluoro-2-benzoxazolyl]amino]phenyl]-7H-pyrrolo[2,3-d]pyridin-7-yl)cyclohexyl]-1-methyl]- (9CI)
 (CA INDEX NAME)

Relative stereochemistry.

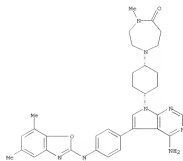
15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 862723-99-6 CAPLUS
 CH 5R-1,4-Diazepin-5-one, 1-[(trans-4-[4-amino-5-[4-[(5,7-dimethyl-2-benzoxazolyl)amino]phenyl]-7H-pyrrolo[2,3-d]pyridin-7-yl)cyclohexyl]methyl]-, monoacetate (9CI)
 (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
 CHN 64-12-7
 CHF C3 K38 H8 O2

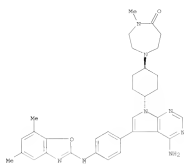


RI 862724-00-3 CAPLUS
 CH 5R-1,4-Diazepin-5-one, 1-[(trans-4-[4-amino-5-[4-[(5,7-dimethyl-2-benzoxazolyl)amino]phenyl]-7H-pyrrolo[2,3-d]pyridin-7-yl)cyclohexyl]methyl]-, monoacetate (9CI)
 (CA INDEX NAME)

CH 1
 CHN 862723-99-7
 CHF C3 K38 H8 O2

Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



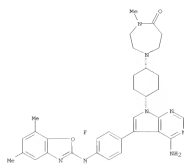
CH 2
 CHN 64-19-7
 CHF C2 B4 O2



RI 862724-00-5 CAPLUS
 CH 58-1, 4-Diazepin-3-one, 1-[(1S,4S)-4-amino-5-[4-[(1S,7-dimethyl-2-benzoxazolyl)amino]-3,4-dioxaphenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]hexahydro-4-methyl-, monooxetate (9CI) (CA INDEX NAME)
 CH 1
 CHN 862724-01-6
 CHF C33 R37 F H9 O2

Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



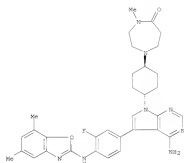
CH 2
 CHN 64-19-7
 CHF C2 B4 O2



RI 862724-04-7 CAPLUS
 CH 58-1, 4-Diazepin-3-one, 1-[(1S,4S)-4-amino-5-[4-[(1S,7-dimethyl-2-benzoxazolyl)amino]-3,4-dioxaphenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]hexahydro-4-methyl-, monooxetate (9CI) (CA INDEX NAME)
 CH 1
 CHN 862724-03-6
 CHF C33 R37 F H9 O2

Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



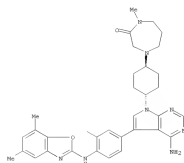
CH 2
 CHN 64-19-7
 CHF C2 B4 O2



RI 862724-11-6 CAPLUS
 CH 28-1, 4-Diazepin-2-one, 4-[(1S,4S)-4-amino-5-[4-[(1S,7-dimethyl-2-benzoxazolyl)amino]phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]hexahydro-1-methyl- (CA INDEX NAME)

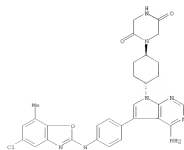
Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 862724-19-4 CAPLUS
 CH 28-1, 4-Diazepin-2-one, 4-[(1S,4S)-4-amino-5-[4-[(1S,7-dimethyl-2-benzoxazolyl)amino]phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]hexahydro-1-methyl- (CA INDEX NAME)

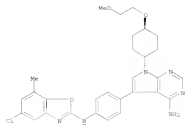
Relative stereochemistry.



RI 862724-50-3 CAPLUS
 CH 78-Pyrrolo[2,7-d]pyrimidin-4-amine, 5-[4-[(1S-chloro-7-methyl-2-oxo-1,4-diazepin-3-yl)cyclohexyl]-2-oxo-1,4-diazepin-3-yl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]- (CA INDEX NAME)

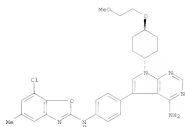
15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
benzoxazolyl)amino]phenyl]-7-[trans-4-(2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.



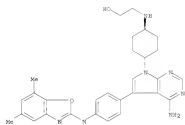
221 862724-53-4 CAPLUS
CH 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-[[7-chloro-5-methyl-2-benzoxazolyl]amino]phenyl]-7-[trans-4-(2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.



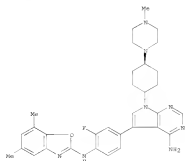
220 862724-52-5 CAPLUS
CH Piperazine, 4-[trans-4-[4-amino-5-[4-[[15,7-dimethyl-2-benzoxazolyl]amino]phenyl]-7-[trans-4-(2-methoxyethoxy)cyclohexyl]-1-piperazinyl]cyclohexyl]- (CA INDEX NAME)

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



221 862724-54-9 CAPLUS
CH 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-[[15,7-dimethyl-2-benzoxazolyl]amino]-3-fluorophenyl]-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

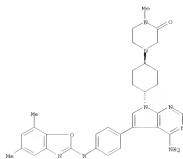
Relative stereochemistry.



221 862724-72-9 CAPLUS
CH Piperazine, 4-[trans-4-[4-amino-5-[4-[[15-chloro-2-benzoxazolyl]amino]-3-fluorophenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-1-[1-methyl-1-piperazinyl]- (IC1) (CA INDEX NAME)

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
benzoxazolyl)amino]phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-1-methyl- (IC1) (CA INDEX NAME)

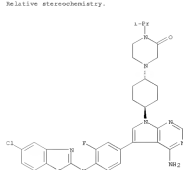
Relative stereochemistry.



221 862724-53-4 CAPLUS
CH Ethanol, 2-[trans-4-[4-amino-5-[4-[[15,7-dimethyl-2-benzoxazolyl]amino]phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]amino]- (CA INDEX NAME)

Relative stereochemistry.

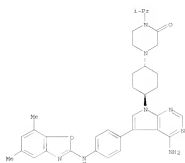
15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



221 862724-73-0 CAPLUS
CH Piperazine, 4-[trans-4-[4-amino-5-[4-[[15,7-dimethyl-2-benzoxazolyl]amino]phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-1-(1-methylethyl)- (IC1) (CA INDEX NAME)

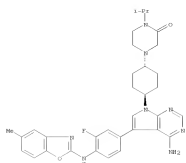
Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS ON 27th (Continued)



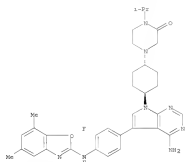
RII 862724-74-1 CAPLUS
 CH Piperazine, 4-[(trans-4-{4-amino-5-[(3-fluoro-4-{(1S-methyl)-2-benzoxazolyl)amino]phenyl}-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl}-1-yl-methyl)phenyl]- (PC1) (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS ON 27th (Continued)

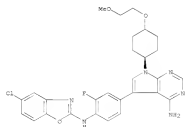


RII 862724-75-2 CAPLUS
 CH Piperazine, 4-[(trans-4-{4-amino-5-[4-[(1S,7-dimethyl)-2-benzoxazolyl]amino]-3-fluorophenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]-1-[(1-methyl)phenyl]- (PC1) (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS ON 27th (Continued)

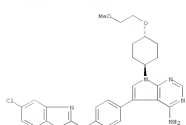


RII 862724-85-4 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-[(1S-chloro-2-benzoxazolyl)amino]-3-fluorophenyl]-7-[(trans-4-{2-methoxyethoxy)cyclohexyl}-1-yl-methyl)phenyl]- (PC1) (CA INDEX NAME)
 Relative stereochemistry.

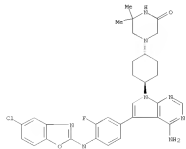


RII 862724-86-3 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-[(1S-chloro-2-benzoxazolyl)amino]phenyl]-7-[(trans-4-{2-methoxyethoxy)cyclohexyl}-1-yl-methyl)phenyl]- (PC1) (CA INDEX NAME)

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS ON 27th (Continued)

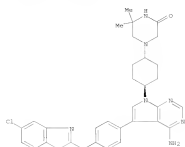


RII 862724-87-6 CAPLUS
 CH Piperazine, 4-[(trans-4-{4-amino-5-[4-[(1S-chloro-2-benzoxazolyl)amino]-3-fluorophenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl}-6,6-dimethyl-1-yl-methyl)phenyl]- (PC1) (CA INDEX NAME)
 Relative stereochemistry.



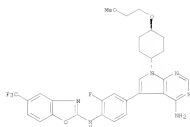
RII 862724-88-7 CAPLUS
 CH Piperazine, 4-[(trans-4-{4-amino-5-[4-[(1S-chloro-2-benzoxazolyl)amino]phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]-6,6-dimethyl-1-yl-methyl)phenyl]- (PC1) (CA INDEX NAME)

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 Relative stereochemistry.

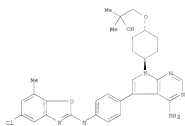


FN 862725-28-6 CAPLUS
 CH 78-Pyrrolo[2,3-d]pyrimidin-4-amine,
 1-[(5-chloro-4-[(5-trifluoromethyl)-2-benzoxazolyl]amino]phenyl)-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]oxy]-2-methyl- (CA INDEX NAME)

Relative stereochemistry.

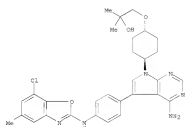


15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



FN 862725-29-5 CAPLUS
 CH 2-Propanol, 1-[(trans-4-[4-amino-5-[4-[(5-chloro-7-methyl-2-benzoxazolyl)amino]phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]oxy]-2-methyl- (CA INDEX NAME)

Relative stereochemistry.

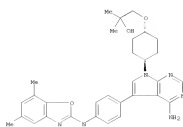


FN 862725-27-7 CAPLUS
 CH 2-Propanol, 1-[(trans-4-[4-amino-5-[4-[(5-chloro-7-methyl-2-benzoxazolyl)amino]phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]oxy]-2-methyl- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 FN 862725-21-3 CAPLUS
 CH 2-Propanol, 1-[(trans-4-[4-amino-5-[4-[(5,7-dimethyl-2-benzoxazolyl)amino]phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]oxy]-2-methyl- (CA INDEX NAME)

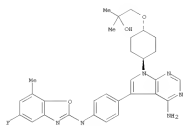
Relative stereochemistry.



FN 862725-23-3 CAPLUS
 CH 2-Propanol, 1-[(trans-4-[4-amino-5-[4-[(5-chloro-7-methyl-2-benzoxazolyl)amino]phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]oxy]-2-methyl- (CA INDEX NAME)

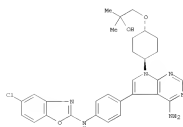
Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



FN 862725-29-9 CAPLUS
 CH 2-Propanol, 1-[(trans-4-[4-amino-5-[4-[(5-chloro-2-benzoxazolyl)amino]phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]oxy]-2-methyl- (CA INDEX NAME)

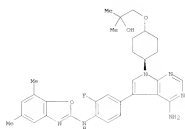
Relative stereochemistry.



FN 862725-30-2 CAPLUS
 CH 2-Propanol, 1-[(trans-4-[4-amino-5-[4-[(5,7-dimethyl-2-benzoxazolyl)amino]-3-chlorophenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]oxy]-2-methyl- (CA INDEX NAME)

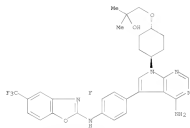
Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



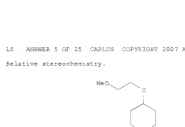
IN 862725-33-3 CAPLUS
CN 2-Propanol, 1-[(trans-4-{4-amino-5-[3-fluoro-4-[(5-{(trifluoromethyl)-2-benzoxazolylamino]phenyl}-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]oxy}-2-methyl- (CA INDEX NAME)

Relative stereochemistry.



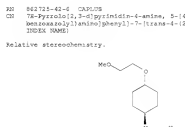
IN 862725-32-4 CAPLUS
CN 2-Propanol, 1-[(trans-4-{4-amino-5-[4-[(5-chloro-2-benzoxazolylamino)-3-fluorophenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]oxy}-2-methyl- (CA INDEX NAME)

Relative stereochemistry.



IN 862725-42-6 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-[(7-oxo-5-methyl-2-benzoxazolylamino)phenyl]-7-[(trans-4-{2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

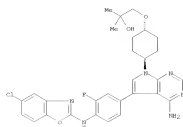


IN 862725-54-0 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-[(5,7-difluoro-2-benzoxazolylamino)phenyl]-7-[(trans-4-{2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

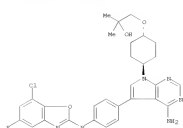


15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



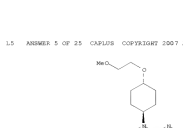
IN 862725-33-5 CAPLUS
CN 2-Propanol, 1-[(trans-4-{4-amino-5-[4-[(7-chloro-5-fluoro-2-benzoxazolylamino)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]oxy}-2-methyl- (CA INDEX NAME)

Relative stereochemistry.



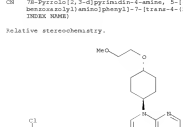
IN 862725-41-5 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-[(7-oxo-5-fluoro-2-benzoxazolylamino)phenyl]-7-[(trans-4-{2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.



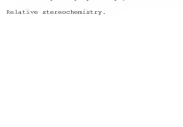
IN 862725-55-1 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-[(7-chloro-5-fluoro-2-benzoxazolylamino)phenyl]-7-[(trans-4-{2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

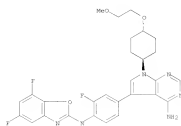


IN 862725-56-2 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-[(5,7-difluoro-2-benzoxazolylamino)phenyl]-7-[(trans-4-{2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

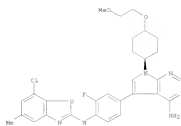


15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



XX 862725-57-3 CAPLUS
 CH 7b-Pyrrolo[2,3-d]pyridin-4-amine, 5-[4-[(7-chloro-5-methyl-2-benzoxazolyl)amino]-3-fluorophenyl]-7-[trans-4-(2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

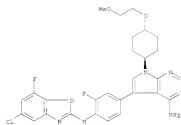
Relative stereochemistry.



XX 862725-68-8 CAPLUS
 CH 7b-Pyrrolo[2,3-d]pyridin-4-amine, 5-[4-[(5-bromo-7-methyl-2-benzoxazolyl)amino]phenyl]-7-[trans-4-(2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

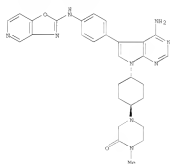
Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



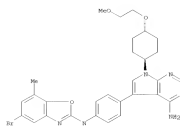
XX 862725-76-6 CAPLUS
 CH Piperazinone, 4-[trans-4-[(4-amino-5-[4-(oxazolo[4,5-c]pyridin-2-ylamino)phenyl]-7b-pyrrolo[2,3-d]pyridin-7-yl)cyclohexyl]-1-methyl-1H-1,4-benzodiazepin-2-yl]- (CA INDEX NAME)

Relative stereochemistry.



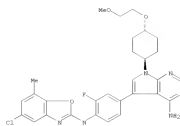
XX 862725-79-9 CAPLUS
 CH 7b-Pyrrolo[2,3-d]pyridin-4-amine, 5-[4-[(7-chloro-4,5-dimethyl-2-benzoxazolyl)amino]-3-fluorophenyl]-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



XX 862725-71-1 CAPLUS
 CH 7b-Pyrrolo[2,3-d]pyridin-4-amine, 5-[4-[(15-chloro-7-methyl-2-benzoxazolyl)amino]-3-fluorophenyl]-7-[trans-4-(2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

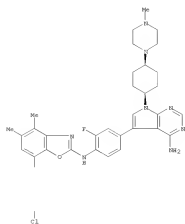


XX 862725-72-2 CAPLUS
 CH 7b-Pyrrolo[2,3-d]pyridin-4-amine, 5-[4-[(15-chloro-7-fluoro-2-benzoxazolyl)amino]-3-fluorophenyl]-7-[trans-4-(2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Relative stereochemistry.



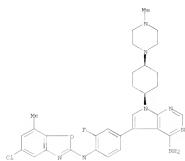
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XX 862725-80-2 CAPLUS
 CH 7b-Pyrrolo[2,3-d]pyridin-4-amine, 5-[4-[(15-chloro-7-methyl-2-benzoxazolyl)amino]-3-fluorophenyl]-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)

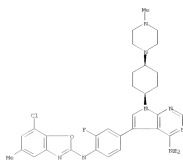


RN 862725-81-3 CAPLUS

CH 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-[[7-chloro-5-methyl-2-benzoxazolyl]amino]-3-fluorophenyl]-7-[4-4-(4-methyl-1-pentenyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

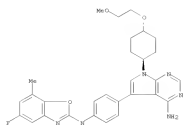
15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



RN 862725-87-1 CAPLUS

CH 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-[[5-fluoro-7-methyl-2-benzoxazolyl]amino]phenyl]-7-[trans-4-(2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

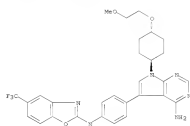


RN 862725-98-2 CAPLUS

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)

CH 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[trans-4-(2-methoxyethoxy)cyclohexyl]-5-[4-[[4-[[5-fluoro-2-benzoxazolyl]amino]phenyl]-3-fluorophenyl]-2-benzoxazolyl]phenyl]- (CA INDEX NAME)

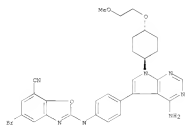
Relative stereochemistry.



RN 862725-99-3 CAPLUS

CH 7-Benzoxazolocarbonitrile, 2-[[4-[[4-amine-7-[trans-4-(2-methoxyethoxy)cyclohexyl]-78-pyrrolo[2,3-d]pyrimidin-3-yl]phenyl]amino]-3-bromo- (CA INDEX NAME)

Relative stereochemistry.

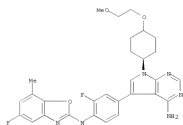


RN 862726-00-8 CAPLUS

CH 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[3-fluoro-4-[[5-fluoro-7-methyl-2-benzoxazolyl]amino]phenyl]-7-[trans-4-(2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)

Relative stereochemistry.



RN 862726-20-3 CAPLUS

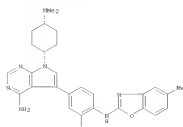
CH 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[4-[[4-(dimethylamino)cyclohexyl]-5-[3-fluoro-4-[[5-methyl-2-benzoxazolyl]amino]phenyl]-, diacetate (9C1) (CA INDEX NAME)

CH 1

CIN 862726-19-0

CHP C28 H30 F N7 O

Relative stereochemistry.



15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 64-13-7
CMF C2 H4 O2



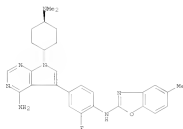
RI 862726-23-6 CAPLUS

CM 78-Pyrrolo[1,2-d]pyrimidin-4-amine,
5-[trans-4-(dimethylamino)cyclohexyl]-
5-[3-fluoro-4-[(5-methyl-2-benzoxazolylamino)phenyl]-
(CA INDEX NAME)

CM 1

CH 862726-22-5
CMF C28 H30 N7 O

Relative stereochemistry.



CM 2

CH 64-13-7
CMF C2 H4 O2

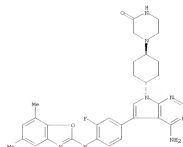
15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 862726-25-8 CAPLUS

CM Piperazine, 4-[trans-6-[4-amino-5-[4-[(5,7-dimethyl-2-benzoxazolylamino)-3-fluorophenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]- (PC1) (CA INDEX NAME)

Relative stereochemistry.

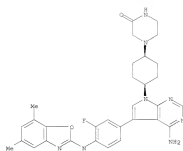


RI 862726-27-0 CAPLUS

CM Piperazine, 4-[trans-6-[4-amino-5-[4-[(5,7-dimethyl-2-benzoxazolylamino)-3-fluorophenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]- (PC1) (CA INDEX NAME)

Relative stereochemistry.

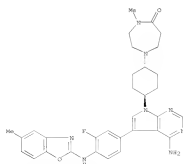
15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 862726-25-0 CAPLUS

CM 58-2,4-Diazepin-3-one, 1-[trans-4-[4-amino-5-[3-fluoro-4-[(5-methyl-2-benzoxazolylamino)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]benzohydro-4-methyl]- (CA INDEX NAME)

Relative stereochemistry.



RI 862726-27-2 CAPLUS

CM 58-2,4-Diazepin-3-one, 1-[cis-4-[4-amino-5-[3-fluoro-4-[(5-methyl-2-benzoxazolylamino)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]benzohydro-4-methyl]- (CA INDEX NAME)

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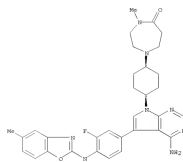
15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CM 58-2,4-Diazepin-3-one, 1-[trans-4-[4-amino-5-[3-fluoro-4-[(5-methyl-2-benzoxazolylamino)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]benzohydro-4-methyl]-, monomethate (PC1) (CA INDEX NAME)

CM 1

CH 862726-26-1
CMF C28 H30 N7 O2

Relative stereochemistry.



CM 2

CH 64-13-7
CMF C2 H4 O2

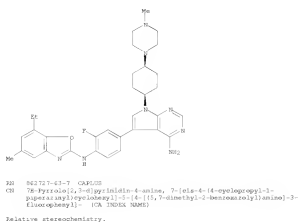


RI 862726-40-7 CAPLUS

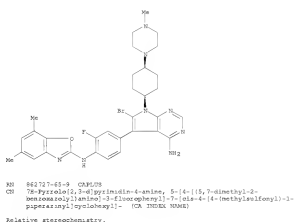
CM Piperazine, 4-[trans-6-[4-amino-5-[4-[(5,7-dimethyl-2-benzoxazolylamino)-3-fluorophenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-3-methyl]- (PC1) (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



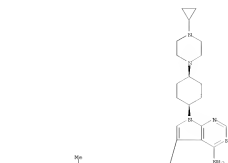
15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



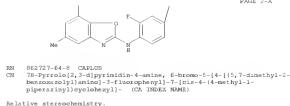
PAGE 1-A

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)

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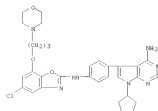
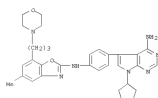
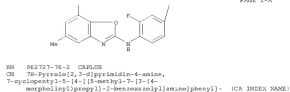


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15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)

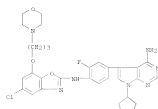
PAGE 2-A



15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 862728-08-3 CAPLUS

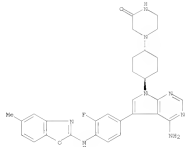
78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-[(5-chloro-7-[3-(4-methylsulfonyl)phenyl]-2-benzoxazolyl)amino]-3-fluorophenyl]-7-cyclopentyl]- (CA INDEX NAME)



RR 862728-14-1 CAPLUS

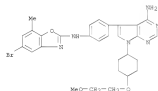
CN 862728-08-3 CAPLUS
78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-[(5-chloro-7-[3-(4-methylsulfonyl)amino]phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]- (PCI) (CA INDEX NAME)

Relative stereochemistry.



RR 862730-53-8 CAPLUS

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



IT 262441-42-2 862730-38-3 862730-32-0

862730-27-6 862730-32-3 862730-33-4

862730-26-7 862730-37-8 862730-43-6

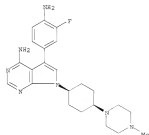
862730-49-1

SL, MCT (Reactant) / MCT (Reactant or reagent)

CN 262441-42-2 CAPLUS

78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-amino-3-fluorophenyl]-7-[cis-4-(4-methyl-2-[(piperidin-2-yl)cyclohexyl])- (CA INDEX NAME)

Relative stereochemistry.



RR 862730-38-3 CAPLUS

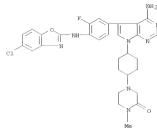
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-amino-3-fluorophenyl]-7-[trans-4-(2-methyl-2-[(piperidin-2-yl)cyclohexyl])- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

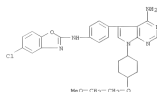
CN Piperazine, 4-[4-[(5-chloro-7-[3-(4-methylsulfonyl)amino]-2-benzoxazolyl)amino]-3-fluorophenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-2-methyl- (PCI)

(CA INDEX NAME)



RR 862730-54-9 CAPLUS

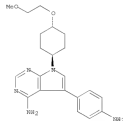
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-[(5-chloro-2-benzoxazolyl)amino]phenyl]-7-[4-(2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)



RR 862730-55-0 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-[(5-chloro-7-methyl-2-benzoxazolyl)amino]phenyl]-7-[4-(2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

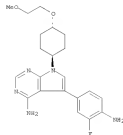
15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RR 862730-23-0 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-amino-3-fluorophenyl]-7-[trans-4-(2-methoxyethoxy)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

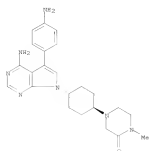


RR 862730-27-6 CAPLUS

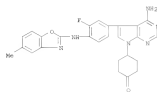
CN Piperazine, 4-[trans-4-[4-amino-5-[4-amino]phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-2-methyl- (PCI) (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RII 862770-32-3 CAPLUS
 CH Cyclohexanone, 4-[(4-amino-5-[3-fluoro-4-[(5-methyl-2-benzoxazolyl)amino]phenyl]-7H-pyrrolo[2,3-d]pyridin-7-yl)]- (CA INDEX NAME)



RII 862770-33-4 CAPLUS
 CH Cyclohexanone, 4-[(4-amino-5-[4-[(5,7-dimethyl-2-benzoxazolyl)amino]-3-fluorophenyl]-7H-pyrrolo[2,3-d]pyridin-7-yl)]- (CA INDEX NAME)

15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

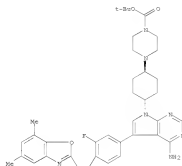


PAGE 2-A

RII 862770-37-8 CAPLUS
 CH 3-Piperazinecarboxylic acid, 4-[trans-4-[(4-amino-5-[4-[(5,7-dimethyl-2-benzoxazolyl)amino]-3-fluorophenyl]-7H-pyrrolo[2,3-d]pyridin-7-yl)]cyclohexyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

Relative stereochemistry.

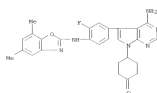
PAGE 1-A



PAGE 2-A

RII 862770-43-8 CAPLUS
 CH Cyclohexanone, 4-[(4-amino-5-[4-amino-3-fluorophenyl]-7H-pyrrolo[2,3-d]pyridin-7-yl)]- (CA INDEX NAME)

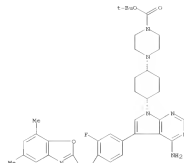
15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RII 862770-36-7 CAPLUS
 CH 2-Piperazinecarboxylic acid, 4-[cis-4-[(4-amino-5-[4-[(5,7-dimethyl-2-benzoxazolyl)amino]-3-fluorophenyl]-7H-pyrrolo[2,3-d]pyridin-7-yl)]cyclohexyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

Relative stereochemistry.

PAGE 2-A

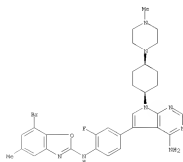


15 ANSWER 5 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RII 862770-48-1 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyridin-4-amine, 5-[4-[(17-benzoxo-5-methyl-2-benzoxazolyl)amino]-3-fluorophenyl]-7-[5-[4-[(4-methyl-1-piperazinyl)cylohexyl]]- (CA INDEX NAME)

Relative stereochemistry.

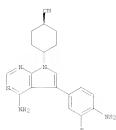


IT 862728-55-0P 862728-56-1P 862728-72-1P
 862729-24-4P 862729-26-8P
 RU: RCT (Heartland); RUH (Synthetic preparation); PREP (Preparation); KACT (Reactant or reagent)
 (Preparation of aminobenzenes as kinase inhibitors)

RII 862728-55-0 CAPLUS
 CH Cyclohexanemethanone, 4-[(4-amino-5-[4-amino-3-fluorophenyl]-7H-pyrrolo[2,3-d]pyridin-7-yl)]-, trans- (CA INDEX NAME)

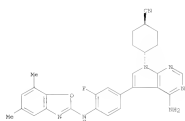
Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



20 862728-56-1 CAPLOS
CN Cyclohexanemethylidene, 4-((4-amino-5-((4-((5,7-dimethyl-2-benzoxazolyl)amino)-3-fluorophenyl)-7H-pyrazolo[2,3-d]pyrimidin-7-yl))-trien- (CA INDEX NAME)

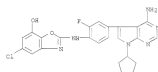
Relative stereochemistry.



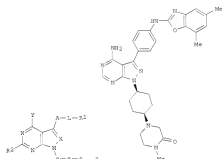
21 862728-72-3 CAPLOS
CN 7H-Pyrazolo[2,3-d]pyrimidin-6-amine, 5-((4-amino-3-fluorophenyl)-6-bromo-7-((4-((4-methyl-3-piperazinyl)cyclohexyl))- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 5 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



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23

23 The title compounds 1 (X = H, CH₃; A = (un)substituted Ph, etc.; L = NH, (un)substituted alkylene, carbonyl, etc.; R1 = C(=O)N(R11)2 (wherein R11 = H, alkyl, etc.) or R1 = allyl, heterocyclyl, etc.; B = a bond, cycloalkyl, azaheterocyclyl, etc.; E = a bond, carbonyl, O, S, SO₂, etc.; R = H, alkoxyl, alkoxyalkyl, etc.; R2 = H, NH₂, dialkyl, etc.; Y = H, CH₃, R12)2 (wherein R2 = H, alkyl, (CH₂)₂COCH₃, etc.); with the proviso(s) which are useful as kinase inhibitors, were prepared and formulated.

Thus, reacting (E)-4-((4-((4-((4-amino-3-iodopyrazolo[3,4-d]pyrimidin-3-yl)cyclohexyl)-5-methylpiperazin-2-one with

(E)-4-((4-((4-((4-amino-3-iodopyrazolo[3,4-d]pyrimidin-3-yl)cyclohexyl)-5-methylpiperazin-2-one with

(E)-4-((4-((4-((4-amino-3-iodopyrazolo[3,4-d]pyrimidin-3-yl)cyclohexyl)-5-methylpiperazin-2-one with

(E)-4-((4-((4-((4-amino-3-iodopyrazolo[3,4-d]pyrimidin-3-yl)cyclohexyl)-5-methylpiperazin-2-one with

(E)-4-((4-((4-((4-amino-3-iodopyrazolo[3,4-d]pyrimidin-3-yl)cyclohexyl)-5-methylpiperazin-2-one with

(E)-4-((4-((4-((4-amino-3-iodopyrazolo[3,4-d]pyrimidin-3-yl)cyclohexyl)-5-methylpiperazin-2-one with

(E)-4-((4-((4-((4-amino-3-iodopyrazolo[3,4-d]pyrimidin-3-yl)cyclohexyl)-5-methylpiperazin-2-one with

(E)-4-((4-((4-((4-amino-3-iodopyrazolo[3,4-d]pyrimidin-3-yl)cyclohexyl)-5-methylpiperazin-2-one with

(E)-4-((4-((4-((4-amino-3-iodopyrazolo[3,4-d]pyrimidin-3-yl)cyclohexyl)-5-methylpiperazin-2-one with

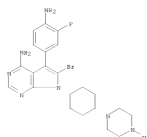
(E)-4-((4-((4-((4-amino-3-iodopyrazolo[3,4-d]pyrimidin-3-yl)cyclohexyl)-5-methylpiperazin-2-one with

(E)-4-((4-((4-((4-amino-3-iodopyrazolo[3,4-d]pyrimidin-3-yl)cyclohexyl)-5-methylpiperazin-2-one with

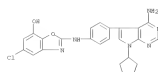
(E)-4-((4-((4-((4-amino-3-iodopyrazolo[3,4-d]pyrimidin-3-yl)cyclohexyl)-5-methylpiperazin-2-one with

(E)-4-((4-((4-((4-amino-3-iodopyrazolo[3,4-d]pyrimidin-3-yl)cyclohexyl)-5-methylpiperazin-2-one with

15 ANSWER 5 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



24 862729-24-4 CAPLOS
CN 7-Benzoxazolol, 2-[[4-((4-amino-7-cyclopentyl-7H-pyrazolo[2,3-d]pyrimidin-5-yl)phenyl)amino]-5-chloro- (CA INDEX NAME)



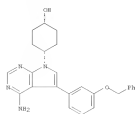
25 862729-26-8 CAPLOS
CN 7-Benzoxazolol, 2-[[4-((4-amino-7-cyclopentyl-7H-pyrazolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl)amino]-5-chloro- (CA INDEX NAME)

15 ANSWER 5 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS ON SYN (Continued)
 ACCESSION NUMBER: 2004:423025 CAPLUS
 DOCUMENT NUMBER: 142423702
 TITLE: Preparation of 4-amino-5-phenyl-7-cyclohexylpyrrolo[2,3-d]pyrimidine derivatives as antiproliferative agents
 INVENTOR(S): Carlos
 Garcia-Sanchez, Carlos
 PATENT ASSIGNER(S): Novartis A.-G., Swiss.; Novartis Pharma G.m.b.H.
 SOURCE: PCT Int. Appl., 65 pp.
 COUNTRY: FRANKO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNTRY: 1
 PATENT INFORMATION: 1

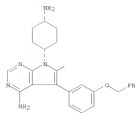
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
MO 2004041962	A1	20040527	MO 2003-EP12594	20031111
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15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS ON SYN (Continued)
 Relative stereochemistry.



RR 692781-75-2 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(4-amino-5-phenyl)-5-[(3-phenylmethoxy)phenyl]-1H-pyrazol-2-yl]- (CA INDEX NAME)

Relative stereochemistry.

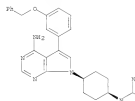


RR 692781-81-0 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[(3-phenylmethoxy)phenyl]-7-[(4-amino-5-phenyl)-5-[(3-phenylmethoxy)phenyl]-1H-pyrazol-2-yl]- (CA INDEX NAME)

Relative stereochemistry.

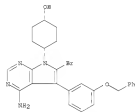
OTHER SOURCE(S): MARPAT 140,423702
 12 692781-81-0-EP 692781-75-2-EP 692781-81-0-EP
 692781-01-7P 692781-02-EP 692781-03-EP
 692781-01-7P
 R: PAC (Pharmacological activity); RCT (Reactant); RPH (Synthetic preparation); TRF (Therapeutic use); ROL (Biological study); PRP (Preparation); RAC (Reactant or reagent); RDS (Dose) (preparation of amphenylcyclohexyl pyrrolopyrimidine derivs. as antiproliferative agents)
 RR 692781-81-0 CAPLUS
 CN Cyclohexanol, 4-[(4-amino-5-[(3-phenylmethoxy)phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl)]-, cis- (CA INDEX NAME)

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS ON SYN (Continued)



RR 692781-01-7 CAPLUS
 CN Cyclohexanol, 4-[(4-amino-5-bromo-5-[(3-phenylmethoxy)phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl)]-, cis- (CA INDEX NAME)

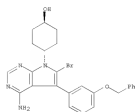
Relative stereochemistry.



RR 692781-02-8 CAPLUS
 CN Cyclohexanol, 4-[(4-amino-5-bromo-5-[(3-phenylmethoxy)phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl)]-, trans- (CA INDEX NAME)

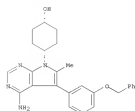
Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS ON SYN (Continued)



RR 692781-03-9 CAPLUS
 CN Cyclohexanol, 4-[(4-amino-5-methyl-5-[(3-phenylmethoxy)phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl)]-, cis- (CA INDEX NAME)

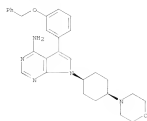
Relative stereochemistry.



RR 692781-11-9 CAPLUS
 CN Cyclohexanol, 4-[(4-amino-5-[(3-phenylmethoxy)phenyl]-78-pyrrolo[2,3-d]pyrimidin-7-yl)]-, trans- (CA INDEX NAME)

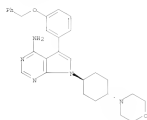
Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 692781-69-4 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(trans-4-{4-morpholinyl}cyclohexyl)-5-[3-(phenylmethoxy)phenyl]-] (CA INDEX NAME)

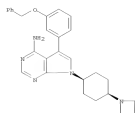
Relative stereochemistry.



HN 692781-70-7 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(cis-4-{1-asetidyl}cyclohexyl)-5-[3-(phenylmethoxy)phenyl]-] (CA INDEX NAME)

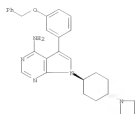
Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 692781-71-8 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(trans-4-{1-asetidyl}cyclohexyl)-5-[3-(phenylmethoxy)phenyl]-] (CA INDEX NAME)

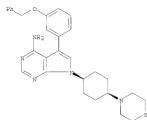
Relative stereochemistry.



HN 692781-72-9 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[3-(phenylmethoxy)phenyl]-7-[(cis-4-{4-thioxophenyl}cyclohexyl)-] (CA INDEX NAME)

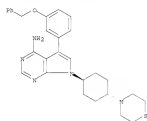
Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 692781-73-0 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[3-(phenylmethoxy)phenyl]-7-[(trans-4-{4-thioxophenyl}cyclohexyl)-] (CA INDEX NAME)

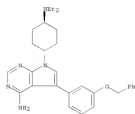
Relative stereochemistry.



HN 692781-74-1 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(trans-4-{4-morpholinyl}cyclohexyl)-5-[3-(phenylmethoxy)phenyl]-] (CA INDEX NAME)

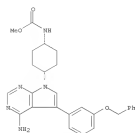
Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 692781-76-3 CAPLUS
 CN Carbonic acid, [cis-4-{4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl]-, methyl ester (PCI) (CA INDEX NAME)

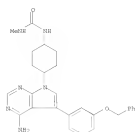
Relative stereochemistry.



HN 692781-77-4 CAPLUS
 CN Urea, N-[(cis-4-{4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl)-N'-methyl]- (CA INDEX NAME)

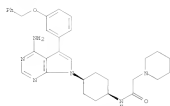
Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 692781-79-5 CAPLUS
 CN 1-Piperidin-4-amine, N-[(1S)-4-[[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrazolo[2,3-d]pyrimidin-7-yl]cyclohexyl]- (CA INDEX NAME)

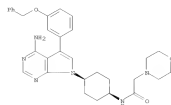
Relative stereochemistry.



RI 692781-79-6 CAPLUS
 CN 4-Morpholin-4-amine, N-[(1S)-4-[[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrazolo[2,3-d]pyrimidin-7-yl]cyclohexyl]- (CA INDEX NAME)

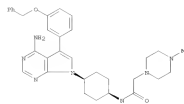
Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 692781-80-9 CAPLUS
 CN 1-Piperidin-4-amine, N-[(1S)-4-[[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrazolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-4-methyl- (CA INDEX NAME)

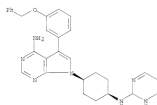
Relative stereochemistry.



RI 692781-82-1 CAPLUS
 CN 7H-Pyrazolo[2,3-d]pyrimidin-4-amine, 5-[3-(phenylmethoxy)phenyl]-7-[(1S)-4-[[1,2,5,6-tetrahydro-2-pyrimidinyl]amino]cyclohexyl]- (CA INDEX NAME)

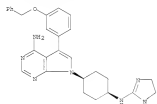
Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 692781-83-2 CAPLUS
 CN 7H-Pyrazolo[2,3-d]pyrimidin-4-amine, 7-[(1S)-4-[[4,5-dihydro-1H-imidazo[2,1-a]pyridin-3-yl]amino]cyclohexyl]-5-[3-(phenylmethoxy)phenyl]- (CA INDEX NAME)

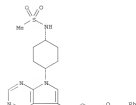
Relative stereochemistry.



RI 692781-84-3 CAPLUS
 CN Methanesulfonamide, N-[(1S)-4-[[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrazolo[2,3-d]pyrimidin-7-yl]cyclohexyl]- (CA INDEX NAME)

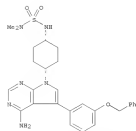
Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 692781-85-4 CAPLUS
 CN Sulfamide, N'-[(1S)-4-[[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrazolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-N,N-dimethyl- (CA INDEX NAME)

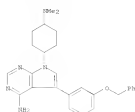
Relative stereochemistry.



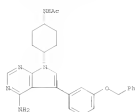
RI 692781-86-5 CAPLUS
 CN 7H-Pyrazolo[2,3-d]pyrimidin-4-amine, 7-[(1S)-4-[[dimethylamino]cyclohexyl]-5-[3-(phenylmethoxy)phenyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

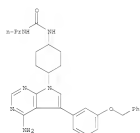


XX 692781-87-6 CAPLUS
 CH Acetaminide, N-[citra-4-[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]- (CA INDEX NAME)
 Relative stereochemistry.

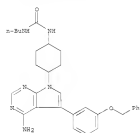


XX 692781-88-7 CAPLUS
 CH Urea, N-[citra-4-[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-N'-ethyl- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

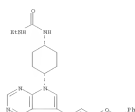


XX 692781-91-2 CAPLUS
 CH Urea, N-[citra-4-[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-N'-butyl- (CA INDEX NAME)
 Relative stereochemistry.

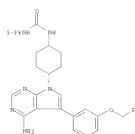


XX 692781-92-3 CAPLUS
 CH Urea, N-[citra-4-[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-N'-[1-methylphenylmethyl]- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

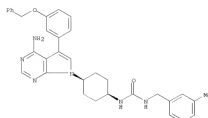


XX 692781-89-8 CAPLUS
 CH Urea, N-[citra-4-[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-N'-[1-methylphenyl]- (CA INDEX NAME)
 Relative stereochemistry.

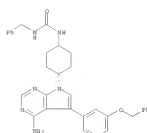


XX 692781-90-1 CAPLUS
 CH Urea, N-[citra-4-[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-N'-isopropyl- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

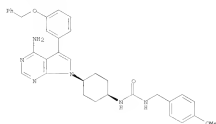


XX 692781-93-4 CAPLUS
 CH Urea, N-[citra-4-[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-N'-(phenylmethyl)- (CA INDEX NAME)
 Relative stereochemistry.



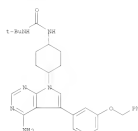
XX 692781-94-5 CAPLUS
 CH Urea, N-[citra-4-[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-N'-[1-(4-methylphenyl)methyl]- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLOS COPYRIGHT 2007 ACS ON STN (Continued)



XX 692791-95-6 CAPLOS
 CN Urea, N-[(4-{4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl)-N'-[1,1-dimethylethyl]-] (CA INDEX NAME)

Relative stereochemistry.

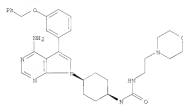


XX 692791-96-7 CAPLOS
 CN Guandine, [(4-{4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl)-N'-[1,1-dimethylethyl]-] (CA INDEX NAME)

Relative stereochemistry.

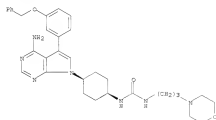
15 ANSWER 6 OF 25 CAPLOS COPYRIGHT 2007 ACS ON STN (Continued)

Relative stereochemistry.



XX 692791-99-0 CAPLOS
 CN Urea, N-[(4-{4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl)-N'-[3-(4-morpholinyl)propyl]-] (CA INDEX NAME)

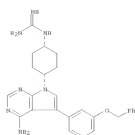
Relative stereochemistry.



XX 692792-00-6 CAPLOS
 CN Carbanilic acid, [(4-{4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl)-N'-[3-(4-morpholinyl)propyl]-] (CA INDEX NAME)

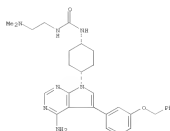
Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLOS COPYRIGHT 2007 ACS ON STN (Continued)



XX 692791-97-8 CAPLOS
 CN Urea, N-[(4-{4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl)-N'-[2-(dimethylamino)ethyl]-] (CA INDEX NAME)

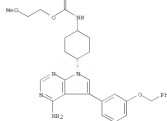
Relative stereochemistry.



XX 692791-98-9 CAPLOS
 CN Urea, N-[(4-{4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl)-N'-[2-(4-morpholinyl)ethyl]-] (CA INDEX NAME)

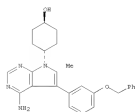
15 ANSWER 6 OF 25 CAPLOS COPYRIGHT 2007 ACS ON STN (Continued)

Relative stereochemistry.



XX 692792-04-0 CAPLOS
 CN Cyclohexano, 4-(4-amino-6-methyl-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl)-, trans- (CA INDEX NAME)

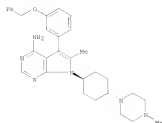
Relative stereochemistry.



XX 692792-05-1 CAPLOS
 CN 7H-pyrrolo[2,3-d]pyrimidin-4-amine, 6-methyl-7-[trans-4-(4-methyl-5-[3-(phenylmethoxy)phenyl]-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl)-] (CA INDEX NAME)

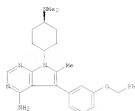
Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



XN 692782-06-3 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine,
 7-[(trans-4-(dimethylamino)cyclohexyl)-
 6-methyl-5-[3-(phenylmethoxy)phenyl]-] (CA INDEX NAME)

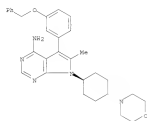
Relative stereochemistry.



XN 692782-07-3 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine,
 7-[(trans-4-(dimethylamino)cyclohexyl)-6-
 methyl-5-[3-(phenylmethoxy)phenyl]-] (CA INDEX NAME)

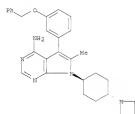
Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



XN 692782-10-8 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine,
 7-[(trans-4-(dimethylamino)cyclohexyl)-6-
 methyl-5-[3-(phenylmethoxy)phenyl]-] (CA INDEX NAME)

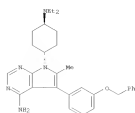
Relative stereochemistry.



XN 692782-11-0 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(trans-4-(dimethylamino)cyclohexyl)-5-[3-(phenylmethoxy)phenyl]-] (CA INDEX NAME)

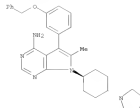
Relative stereochemistry.

15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



XN 692782-08-4 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine,
 6-methyl-5-[3-(phenylmethoxy)phenyl]-7-
 [(trans-4-(1-pyrrolidylmethyl)cyclohexyl)-] (CA INDEX NAME)

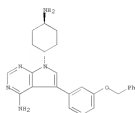
Relative stereochemistry.



XN 692782-09-5 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 6-methyl-7-[(trans-4-(4-
 morpholinyl)cyclohexyl)-5-[3-(phenylmethoxy)phenyl]-] (CA INDEX NAME)

Relative stereochemistry.

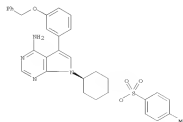
15 ANSWER 6 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



IT 692782-13-1P 692782-15-3P 692782-16-4P
 692782-17-5P 692782-18-6P
 Re. ACT (Reactant); RSM (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (Preparation of aminophenylcyclohexyl pyrrolopyrimidine derivative, as
 antiproliferative agents)

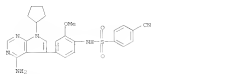
XN 692782-13-3 CAPLUS
 CN Cyclohexanol, 4-[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-
 d]pyrimidin-7-yl]-, 4-methylbenzenesulfonate (ester), trans- (9CI) (CA
 INDEX NAME)

Relative stereochemistry.



XN 692782-15-3 CAPLUS
 CN Cyclohexanol, 4-[4-amino-5-[3-(phenylmethoxy)phenyl]-7H-pyrrolo[2,3-
 d]pyrimidin-7-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX
 NAME)

15 ANSWER 7 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



BN 262432-51-3 CAPLOS
 CN Benzenesulfonamide,
 N-[4-[(4-amino-7-methyl-2,3-dihydro-1H-pyridin-5-yl)-2-chlorophenyl]- (CA INDEX NAME)

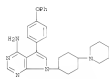


BN 262445-19-3 CAPLOS
 CN Benzenesulfonamide, N-[4-[(4-amino-7-[trans-4-(4-methyl-1-piperidinyl)phenyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4,4-dichloro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 7 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

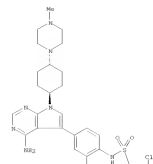
BN 666839-04-9 CAPLOS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-(phenoxyphe-nyl)-7-[4-(1-piperidinyl)phenyl]- (CA INDEX NAME)



AB The invention provides compo. and methods for isolating ligand-binding polypeptides for a user-specified ligand, and for isolating small mol. ligands for a user-specified target polypeptide using an improved class of hybrid ligand compds. Preparation of compds., e.g. a methotrexate moiety linked by a polyethylene glycol moiety to dexamethasone, is described.

15 ANSWER 7 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



PAGE 2-A

BN 344359-26-8 CAPLOS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-cyclopentyl-5-[3-methoxyphenyl]- (CA INDEX NAME)

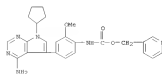


15 ANSWER 8 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2007177394 CAPLOS
 DOCUMENT NUMBER: 139429240
 TITLE: Preparation of 4-aminopyrrolopyrimidines as protein kinase inhibitors
 INVENTOR(S): Calderwood, David; Arnold, Lee; Masdiyani, Hormoz; Hiler, David C.; Deng, Boyuan B.; Johnston, David W.; Rafferty, Paul; Tomitska, Gerald R.; Twigger, Helen L.; Muncheva, Rainer
 PATENT ASSIGNOR(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 93 pp., Cont.-in-part of U.S. 6,051,839.
 COUNTRY: US/USCA
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. CORRE: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003187001	A1	20031002	US 1999-399081	19990917
US 6801839	A	19991214	US 1998-42702	19980327
PRIORITY APPL. INFO.			US 1998-1009549	P 19980918

OTHER SOURCE(S): MARPAT 139429240
 IT 262433-21-6P
 RI: PAC (Pharmacological activity); RCT (Reactant); RPH (Synthetic preparation); TRP (Therapeutic use); RBL (Biological study); PREP (Preparation); RACT (Reactant or reagent); ODS (Dose)
 (intermediate; preparation of 7H-pyrrolo[2,3-d]pyrimidin-4-amine as protein kinase inhibitors)
 BN 262433-21-6 CAPLOS
 CN Calcium acid,
 [4-[(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, 3-pyridylmethyl ester (SCI) (CA INDEX NAME)



IT 213743-31-6P 262433-03-6P 262433-17-6P
 262433-25-6P 262433-16-1P
 RI: RCT (Reactant); RPH (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate; preparation of 7H-pyrrolo[2,3-d]pyrimidin-4-amine as protein kinase inhibitors)

15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)
 RH 213743-31-8 CAPLUS
 CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-cyclopentyl-5-(4-phenoxyphenyl)-
 (CA INDEX NAME)



RH 262433-01-4 CAPLUS
 CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-amino-3-methoxyphenyl)-7-cyclopentyl- (CA INDEX NAME)



RH 262433-17-0 CAPLUS
 CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-amino-3-chlorophenyl)-7-cyclopentyl- (CA INDEX NAME)



RH 262433-25-0 CAPLUS
 CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(3-amino-4-methoxyphenyl)-7-cyclopentyl- (CA INDEX NAME)

15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



RH 262433-51-4 CAPLUS
 CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-amino-3-fluorophenyl)-7-cyclopentyl- (CA INDEX NAME)

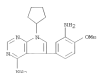


IT 262433-64-1P
 RH: PAC (Pharmacological activity); RCT (Reactant or reagent); SPH (Synthetic preparation); T80 (Therapeutic use); BCL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 [target compound; preparation of 78-pyrrolo[2,3-d]pyrimidin-6-amine as protein kinase inhibitors]

RH 262433-64-1 CAPLUS
 CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-amino-3-fluorophenyl)-7-cyclopentyl- (CA INDEX NAME)



15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)
 cyclopentyl- (CA INDEX NAME)



RH 262433-34-1 CAPLUS
 CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 6-bromo-7-cyclopentyl-5-(4-phenoxyphenyl)- (CA INDEX NAME)



IT 262433-52-3 262433-53-4
 RH: RCT (Reactant or reagent); RACT (Reactant or reagent)
 [reactant; preparation of 78-pyrrolo[2,3-d]pyrimidin-6-amine as protein kinase inhibitors]
 RH 262433-52-3 CAPLUS
 CH Cyclohexanone, 4-(4-amino-3-(4-phenoxyphenyl)-78-pyrrolo[2,3-d]pyrimidin-7-yl)- (CA INDEX NAME)

15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

IT 213743-94-3P 262430-02-5P 262430-04-4P
 262430-05-7P 262430-08-0P 262430-07-5P
 262430-09-0P 262430-09-1P 262430-10-4P
 262430-11-5P 262430-13-7P 262430-14-8P
 262430-15-9P 262430-16-0P 262430-17-1P
 262430-18-2P 262430-18-3P 262430-20-4P
 262430-21-7P 262430-22-8P 262430-23-9P
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 262431-99-8P 262431-99-9P 262432-00-0P
 RH: PAC (Pharmacological activity); SPH (Synthetic preparation); T80 (Therapeutic use); BCL (Biological study); PREP (Preparation); USES (Uses)
 [target compound; preparation of 78-pyrrolo[2,3-d]pyrimidin-6-amine as protein kinase inhibitors]

15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RI 213743-34-3 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)



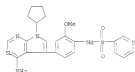
RI 262430-01-5 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-6-cyano- (CA INDEX NAME)



RI 262430-04-6 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 262430-08-2 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-4-(trifluoromethyl)phenyl]- (CA INDEX NAME)



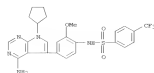
RI 262430-09-1 CAPLUS
 CN Benzenesulfonamide,
 N-[3-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-1,2'-biphenyl-2-yl]- (CA INDEX NAME)



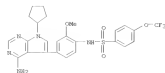
RI 262430-10-4 CAPLUS
 CN 18-iodo-6, 5-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2,3-dihydro-3-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

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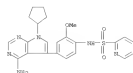
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 262430-05-7 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

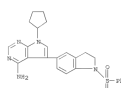


RI 262430-06-8 CAPLUS
 CN 2-Pyridinesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)

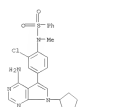


RI 262430-07-9 CAPLUS
 CN 3-Pyridinesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)

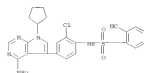
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 262430-11-5 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-8-methyl- (CA INDEX NAME)

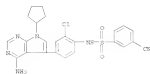


RI 262430-13-7 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-2-cyano- (CA INDEX NAME)

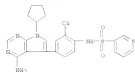


RI 262430-14-8 CAPLUS

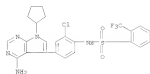
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN Benzeneisofumamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-2-cyano- (CA INDEX NAME)



FN 262430-13-3 CAPLUS
 CN 3-Pyridinesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]- (CA INDEX NAME)

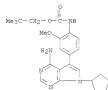


FN 262430-16-2 CAPLUS
 CN Benzeneisofumamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-2-(trifluoromethyl)- (CA INDEX NAME)

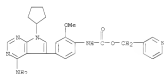


FN 262430-17-1 CAPLUS
 CN Benzeneisofumamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-2-(trifluoromethyl)- (CA INDEX NAME)

15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

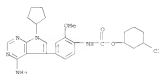


FN 262430-20-6 CAPLUS
 CN Carbanilic acid,
 [4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-, 3-pyridylmethyl ester, hydrochloride (PCI) (CA INDEX NAME)

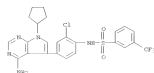


• a. ac1

FN 262430-21-7 CAPLUS
 CN Carbanilic acid,
 [4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-, 3-(4-chlorophenyl) ester (PCI) (CA INDEX NAME)



15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 5-yl)-2-chlorophenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



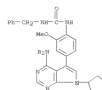
FN 262430-18-2 CAPLUS
 CN Benzeneisofumamide,
 N-[4-(4-amino-7-(3-hydroxycyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]- (CA INDEX NAME)



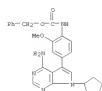
FN 262430-19-3 CAPLUS
 CN Carbanilic acid,
 [4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-, 2,2-dimethylpropyl ester (PCI) (CA INDEX NAME)



15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 FN 262430-22-8 CAPLUS
 CN Urea, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-N'-(phenylmethyl)- (CA INDEX NAME)



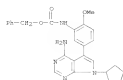
FN 262430-23-8 CAPLUS
 CN Carbanilic acid,
 [4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-, phenylmethyl ester (PCI) (CA INDEX NAME)



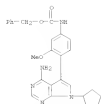
FN 262430-24-0 CAPLUS
 CN Carbanilic acid,
 [5-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-, phenylmethyl ester (PCI) (CA INDEX NAME)



15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

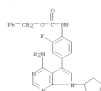


HN 262430-26-2 CAPLUS
CN Carbanilic acid,
[4-((4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl)-N-phenylmethanimine] ester (9C1) (CA INDEX NAME)

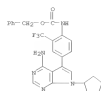


HN 262430-27-3 CAPLUS
CN Carbanilic acid,
[4-((4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl)-N-phenylmethanimine] ester (9C2) (CA INDEX NAME)

15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

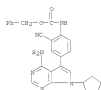


HN 262430-28-4 CAPLUS
CN Carbanilic acid,
[4-((4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-(trifluoromethyl)phenyl)-N-phenylmethanimine] ester (9C1) (CA INDEX NAME)

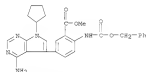


HN 262430-29-5 CAPLUS
CN Carbanilic acid,
[4-((4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-cyanoethyl)-N-phenylmethanimine] ester (9C1) (CA INDEX NAME)

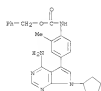
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 262430-30-8 CAPLUS
CN Benzoic acid,
[4-((4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-(1-phenylmethoxy)phenyl)-N-phenylmethanimine] ester (9C1) (CA INDEX NAME)

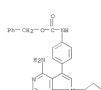


HN 262430-31-9 CAPLUS
CN Carbanilic acid,
[4-((4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl)-N-phenylmethanimine] ester (9C1) (CA INDEX NAME)



HN 262430-32-0 CAPLUS
CN Carbanilic acid,
[4-((4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl)-N-phenylmethanimine] ester (9C1) (CA INDEX NAME)

15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



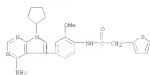
HN 262430-33-1 CAPLUS
CN Benzenesulfonamide, N-[4-((4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl)-N-phenylmethanimine] ester (9C1) (CA INDEX NAME)



HN 262430-34-2 CAPLUS
CN Benzenesulfonamide,
N-[4-((4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl)-N-phenylmethanimine] ester (9C1) (CA INDEX NAME)



15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RU 262430-35-3 CAPLUS
 CN 2-Thiophenecarboxamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)



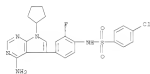
RU 262432-63-2 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidine-6-methanamine, 4-amino-7-cyclopentyl-5-[4-(phenoxyphenyl)]- (CA INDEX NAME)



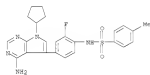
RU 262433-69-6 CAPLUS
 CN Cyclohexanone,
 4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]- (CA INDEX NAME)



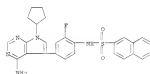
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 5-yl]-2-fluorophenyl]-4-chloro- (CA INDEX NAME)



RU 262433-73-2 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-methyl- (CA INDEX NAME)



RU 262433-74-3 CAPLUS
 CN 2-Naphthalenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]- (CA INDEX NAME)

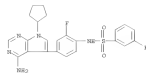


RU 262433-75-4 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro- (CA INDEX NAME)

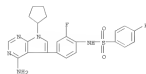
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RU 262433-76-9 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-3-fluoro- (CA INDEX NAME)

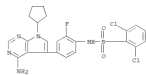


RU 262433-71-0 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-fluoro- (CA INDEX NAME)

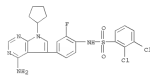


RU 262433-72-1 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-fluoro- (CA INDEX NAME)

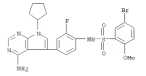
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RU 262433-76-5 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,3-dichloro- (CA INDEX NAME)

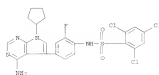


RU 262433-77-6 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-3-methoxy- (CA INDEX NAME)

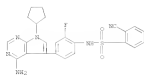


RU 262433-78-7 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4,6-trichloro- (CA INDEX NAME)

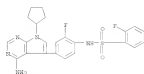
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



BN 262431-79-8 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-chloro- (CA INDEX NAME)

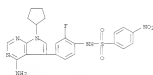


BN 262431-80-1 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-cyano- (CA INDEX NAME)

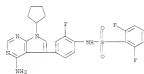


BN 262431-81-2 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-nitro- (CA INDEX NAME)

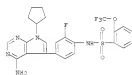
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



BN 262431-83-6 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-difluoro- (CA INDEX NAME)

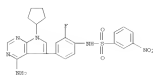


BN 262431-84-7 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,6-difluoro- (CA INDEX NAME)

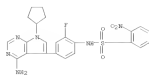


BN 262431-87-8 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-chloro-3-nitro- (CA INDEX NAME)

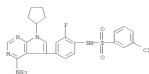
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



BN 262431-82-3 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-nitro- (CA INDEX NAME)

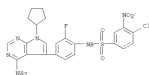


BN 262431-83-4 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-3-chloro- (CA INDEX NAME)

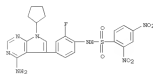


BN 262431-84-5 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-nitro- (CA INDEX NAME)

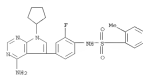
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



BN 262431-86-9 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dinitro- (CA INDEX NAME)

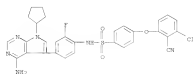


BN 262431-89-0 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methyl- (CA INDEX NAME)

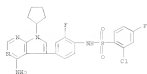


BN 262431-90-3 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-(3-chloro-2-oxaphenyl)- (CA INDEX NAME)

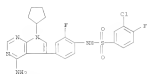
15 ANSWER 8 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



26431-93-4 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl-2-chloro-4-fluoro- (CA INDEX NAME)

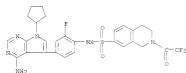


26431-92-3 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl-2-chloro-4-fluoro- (CA INDEX NAME)

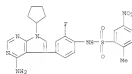


26431-93-6 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl-2-fluoro-2-methyl- (CA INDEX NAME)

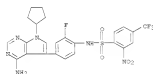
15 ANSWER 8 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



26431-98-1 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl-2-methyl-5-nitro- (CA INDEX NAME)

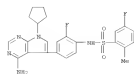


26431-02-8 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl-2-nitro-4-(trifluoromethyl)- (CA INDEX NAME)

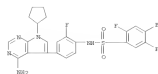


26431-01-3 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl-2-iodo- (CA INDEX NAME)

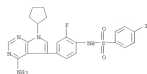
15 ANSWER 8 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



26431-94-7 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl-4-bromo-2,5-difluoro- (CA INDEX NAME)

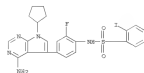


26431-95-8 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl-4-iodo- (CA INDEX NAME)

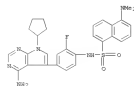


26431-96-9 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl-3,2,7,4-tetrahydro-2-(trifluoroacetyl)- (SC1) (CA INDEX NAME)

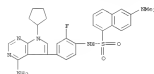
15 ANSWER 8 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



26431-02-0 CAPLOS
CN 1-Naphthalenesulfonamide, N-[4-(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl-5-(dimethylamino)- (CA INDEX NAME)

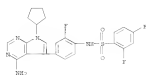


26431-03-1 CAPLOS
CN 1-Naphthalenesulfonamide, N-[4-(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl-6-(dimethylamino)- (CA INDEX NAME)

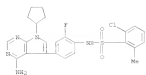


26431-04-2 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl-2,4-difluoro- (CA INDEX NAME)

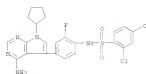
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



BN 262432-05-3 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-chloro-6-methyl- (CA INDEX NAME)

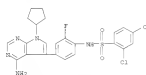


BN 262432-06-4 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-chloro-4-cyano- (CA INDEX NAME)

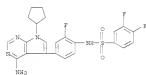


BN 262432-07-5 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,3,4-trifluoro- (CA INDEX NAME)

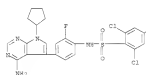
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



BN 262432-11-1 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,3,4-trifluoro- (CA INDEX NAME)

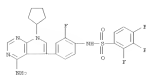


BN 262432-12-2 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,3,4-trifluoro- (CA INDEX NAME)

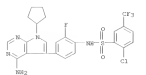


BN 262432-17-3 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,3,4-trifluoro- (CA INDEX NAME)

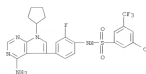
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



BN 262432-09-4 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-chloro-5-(trifluoromethyl)- (CA INDEX NAME)

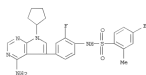


BN 262432-09-7 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,3-bis(trifluoromethyl)- (CA INDEX NAME)

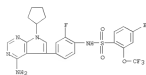


BN 262432-10-0 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-chloro-4-(trifluoromethyl)- (CA INDEX NAME)

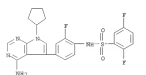
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



BN 262432-14-4 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-bromo-2-(trifluoromethyl)- (CA INDEX NAME)

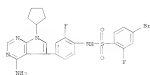


BN 262432-15-5 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,3-bis(trifluoromethyl)- (CA INDEX NAME)

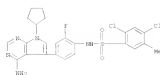


BN 262432-16-4 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,3-bis(trifluoromethyl)- (CA INDEX NAME)

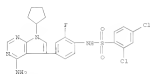
15 ANSWER 8 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



26432-17-7 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro-5-methyl- (CA INDEX NAME)

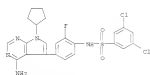


26432-18-8 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro-5-methyl- (CA INDEX NAME)

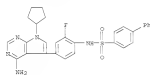


26432-19-9 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro-5-methyl- (CA INDEX NAME)

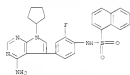
15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



26432-23-5 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro-5-methyl- (CA INDEX NAME)

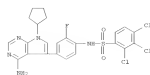


26432-24-6 CAPLOS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro-5-methyl- (CA INDEX NAME)

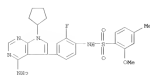


26432-25-7 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro-5-methyl- (CA INDEX NAME)

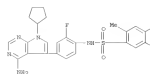
15 ANSWER 8 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



26432-20-2 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro-5-methyl- (CA INDEX NAME)

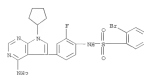


26432-21-3 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro-5-methyl- (CA INDEX NAME)

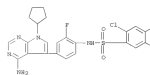


26432-22-4 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro-5-methyl- (CA INDEX NAME)

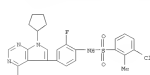
15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



26432-26-8 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro-5-methyl- (CA INDEX NAME)

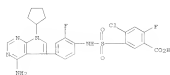


26432-27-9 CAPLOS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro-5-methyl- (CA INDEX NAME)

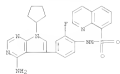


26432-28-0 CAPLOS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro-5-methyl- (CA INDEX NAME)

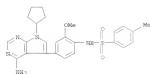
1.5 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



26432-29-1 CAPLUS
 CH 8-quinolinesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]- (CA INDEX NAME)

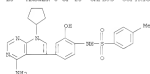


26432-30-4 CAPLUS
 CH Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-4-methyl- (CA INDEX NAME)

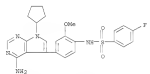


26432-31-3 CAPLUS
 CH Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-4-methoxy- (CA INDEX NAME)

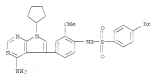
1.5 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



26432-32-2 CAPLUS
 CH Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-4-fluoro- (CA INDEX NAME)

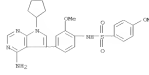


26432-33-3 CAPLUS
 CH Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-4-bromo- (CA INDEX NAME)

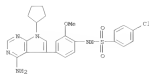


26432-34-0 CAPLUS
 CH Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-4-nitro- (CA INDEX NAME)

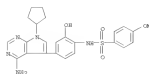
1.5 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



26432-32-4 CAPLUS
 CH Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-4-chloro- (CA INDEX NAME)

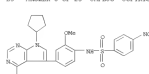


26432-33-7 CAPLUS
 CH Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-hydroxyphenyl]-4-methoxy- (CA INDEX NAME)

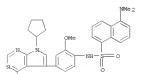


26432-34-8 CAPLUS
 CH Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-hydroxyphenyl]-4-methyl- (CA INDEX NAME)

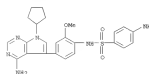
1.5 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



26432-35-9 CAPLUS
 CH Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-5-(dimethylamino)- (CA INDEX NAME)

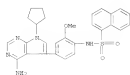


26432-36-0 CAPLUS
 CH Benzenesulfonamide, 4-amino-N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)

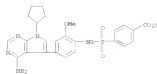


26432-37-1 CAPLUS
 CH Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)

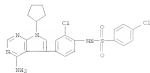
15 ANSWER 8 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



262432-41-7 CAPLOS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]sulfonamido]- (CA INDEX NAME)

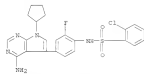


262432-42-8 CAPLOS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-4-chloro- (CA INDEX NAME)

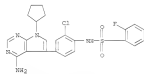


262432-43-9 CAPLOS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-3-chloro- (CA INDEX NAME)

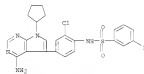
15 ANSWER 8 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



262432-47-3 CAPLOS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-2-fluoro- (CA INDEX NAME)

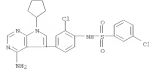


262432-48-4 CAPLOS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-3-fluoro- (CA INDEX NAME)

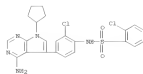


262432-50-8 CAPLOS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-3-fluoro- (CA INDEX NAME)

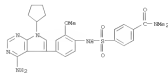
15 ANSWER 8 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



262432-44-0 CAPLOS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-2-chloro- (CA INDEX NAME)



262432-45-1 CAPLOS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]sulfonamido]-2-chloro- (CA INDEX NAME)



262432-46-2 CAPLOS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-chloro- (CA INDEX NAME)

15 ANSWER 8 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

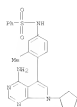


262432-51-9 CAPLOS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]- (CA INDEX NAME)



262432-52-0 CAPLOS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methylphenyl]- (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



FN 262432-53-1 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-nitrophenyl]- (CA INDEX NAME)



FN 262432-54-2 CAPLUS
CN Benzenesulfonamide,
4-[4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-diphenyl- (CA INDEX NAME)

15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



FN 262432-57-5 CAPLUS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-nitrophenyl]- (CA INDEX NAME)



FN 262432-58-6 CAPLUS
CN Benzoic acid,
5-[4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-[phenylsulfonyl]amino]-, methyl ester (CA INDEX NAME)



FN 262432-59-7 CAPLUS

15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



FN 262432-55-3 CAPLUS
CN Benzoic acid,
5-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-nitrophenyl]amino]- (CA INDEX NAME)



FN 262432-56-4 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-(1,1-dimethylethyl)phenyl]- (CA INDEX NAME)

15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

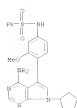


FN 262432-60-0 CAPLUS
CN Benzenesulfonamide,
N-[5-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)

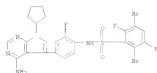


FN 262432-61-1 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-3-methoxyphenyl]- (CA INDEX NAME)

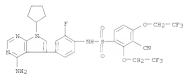
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



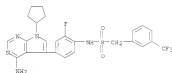
FN 262432-62-2 CAPLUS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,3-dibromo-3,4-difluoro- (CA INDEX NAME)



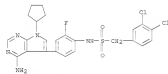
FN 262432-63-3 CAPLUS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-3-cyano-2,4-bis(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



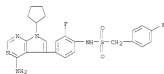
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



FN 262432-68-8 CAPLUS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-3-chloro-1,3-dimethyl- (CA INDEX NAME)



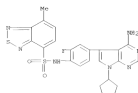
FN 262432-69-9 CAPLUS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-fluoro- (CA INDEX NAME)



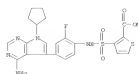
FN 262432-70-2 CAPLUS
CN 16-Imidazole-6-sulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-1-methyl- (CA INDEX NAME)

15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

FN 262432-45-5 CAPLUS
CN 2,1,7-Benzothiadiazole-6-sulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-1-methyl- (CA INDEX NAME)

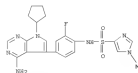


FN 262432-46-4 CAPLUS
CN 2-Thiophenemethylidene acid, 3-[[[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]amino]sulfonyl]-, methyl ester (CA INDEX NAME)

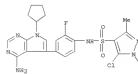


FN 262432-47-7 CAPLUS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-3-(trifluoroethyl)- (CA INDEX NAME)

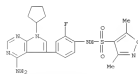
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



FN 262432-71-3 CAPLUS
CN 18-Pyrazole-4-sulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-3,5-dimethyl- (CA INDEX NAME)

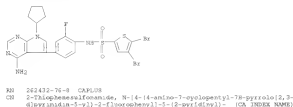
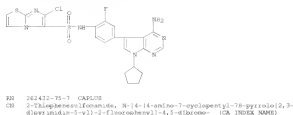
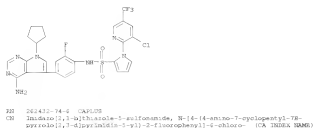


FN 262432-72-4 CAPLUS
CN 4-Isoxazole-sulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-1-methyl- (CA INDEX NAME)

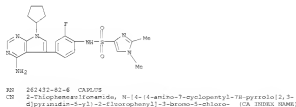
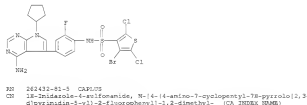
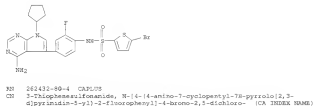


FN 262432-73-8 CAPLUS
CN 18-Pyrazole-4-sulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-1-methyl- (CA INDEX NAME)

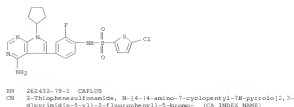
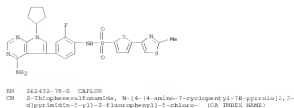
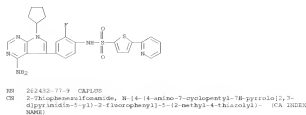
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



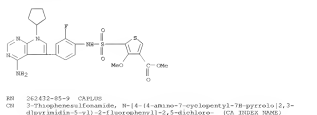
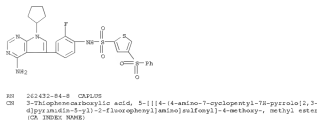
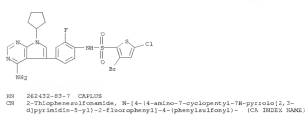
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



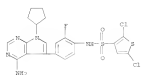
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



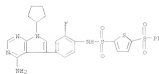
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



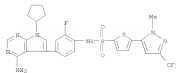
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264332-86-0 CAPLUS
 CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyridin-5-yl}-2-fluorophenyl)-5-(phenylsulfonyl)-1H-imidazole-5-yl]-1H-imidazole-5-carboxamide (CA INDEX NAME)

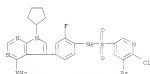


264332-87-1 CAPLUS
 CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyridin-5-yl}-2-fluorophenyl)-5-(3-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)-1H-imidazole-5-yl]-1H-imidazole-5-carboxamide (CA INDEX NAME)

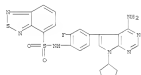


264332-88-1 CAPLUS
 CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyridin-5-yl}-2-fluorophenyl)-5-(3-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl)-1H-imidazole-5-yl]-1H-imidazole-5-carboxamide (CA INDEX NAME)

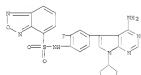
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264332-89-1 CAPLUS
 CN 2,3,5-Triazafluorene-4-sulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyridin-5-yl}-2-fluorophenyl)-5-(3-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl)-1H-imidazole-5-yl]-1H-imidazole-5-carboxamide (CA INDEX NAME)

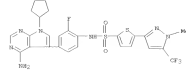


264332-90-1 CAPLUS
 CN 2,3,5-Triazafluorene-4-sulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyridin-5-yl}-2-fluorophenyl)-5-(3-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl)-1H-imidazole-5-yl]-1H-imidazole-5-carboxamide (CA INDEX NAME)

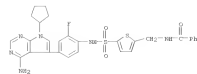


264332-91-0 CAPLUS
 CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyridin-5-yl}-2-fluorophenyl)-5-(3-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl)-1H-imidazole-5-yl]-1H-imidazole-5-carboxamide (CA INDEX NAME)

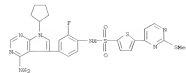
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264332-89-3 CAPLUS
 CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyridin-5-yl}-2-fluorophenyl)-5-(3-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl)-1H-imidazole-5-yl]-1H-imidazole-5-carboxamide (CA INDEX NAME)

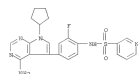


264332-90-4 CAPLUS
 CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyridin-5-yl}-2-fluorophenyl)-5-(3-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl)-1H-imidazole-5-yl]-1H-imidazole-5-carboxamide (CA INDEX NAME)

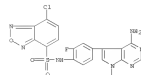


264332-91-1 CAPLUS
 CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyridin-5-yl}-2-fluorophenyl)-5-(3-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl)-1H-imidazole-5-yl]-1H-imidazole-5-carboxamide (CA INDEX NAME)

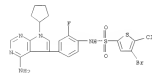
15 ANSWER 8 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264332-92-1 CAPLUS
 CN 2,3,5-Triazafluorene-4-sulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyridin-5-yl}-2-fluorophenyl)-5-(3-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl)-1H-imidazole-5-yl]-1H-imidazole-5-carboxamide (CA INDEX NAME)

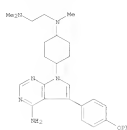


264332-93-1 CAPLUS
 CN 2,3,5-Triazafluorene-4-sulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyridin-5-yl}-2-fluorophenyl)-5-(3-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl)-1H-imidazole-5-yl]-1H-imidazole-5-carboxamide (CA INDEX NAME)



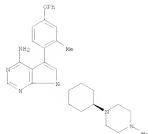
264332-94-2 CAPLUS
 CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyridin-5-yl}-2-fluorophenyl)-5-(3-methyl-5-(trifluoromethyl)-1H-pyrazol-3-yl)-1H-imidazole-5-yl]-1H-imidazole-5-carboxamide (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



XX 262442-06-8 CAPLUS
 CN 7B-Pyrrolo[2,3-d]pyrimidin-4-amine,
 5-[(2-methyl-4-phenoxymethyl)-7-[(trans-
 4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

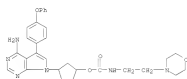
Relative stereochemistry.



XX 262443-33-6 CAPLUS
 CN 3,3'-Bis(aminomethyl)-N-[trans-4-[(4-amino-5-(4-phenoxymethyl)-7B-pyrrolo[2,3-
 d]pyrimidin-7-yl]cyclohexyl]-N,N',N''-trimethyl- (PCI) (CA INDEX NAME)

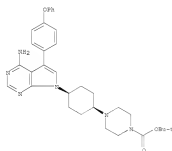
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



XX 262444-27-9 CAPLUS
 CN 2-Piperazinecarboxylic acid, 4-[(trans-4-[(4-amino-5-(4-phenoxymethyl)-7B-
 pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl)-, 1,1-dimethylethyl ester (CA
 INDEX NAME)

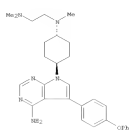
Relative stereochemistry.



XX 262444-28-0 CAPLUS
 CN 2-Piperazinecarboxylic acid, 4-[(trans-4-[(4-amino-5-(4-phenoxymethyl)-7B-
 pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl)-, 1,1-dimethylethyl ester (CA
 INDEX NAME)

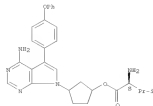
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



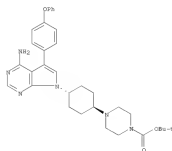
XX 262444-23-5 CAPLUS
 CN L-Valine, 3-[4-amino-5-(4-phenoxymethyl)-7B-pyrrolo[2,3-d]pyrimidin-7-
 yl]cyclopentyl ester (CA INDEX NAME)

Absolute stereochemistry.

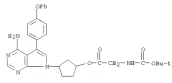


XX 262444-24-6 CAPLUS
 CN Carbamic acid, [2-[4-morpholinylethyl]-, 3-[4-amino-5-(4-phenoxymethyl)-
 7B-pyrrolo[2,3-d]pyrimidin-7-yl]cyclopentyl ester (SCI) (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



XX 262444-24-8 CAPLUS
 CN Glycine, N-[(1,1-dimethylethoxy)oxycarbonyl]-,
 3-[4-amino-5-(4-phenoxymethyl)-
 7B-pyrrolo[2,3-d]pyrimidin-7-yl]cyclopentyl ester (CA INDEX NAME)



IT 262444-29-3P 262444-50-8P 262444-51-8P
 364354-37-0P 364354-38-1P 364354-50-7P
 364355-32-4P 364355-21-7P 364355-26-2P
 364355-42-0P 364355-39-7P
 RI: RCT (Reactant); SH: (Synthetic preparation); PREP (Preparation); PACZ
 (Reactant or Reagent)
 (Intermediate preparation of pyrrolopyrimidines as protein kinase
 inhibitors)
 XX 262444-29-1 CAPLUS
 CN Cyclopentanone,
 3-[4-amino-5-(4-phenoxymethyl)-7B-pyrrolo[2,3-d]pyrimidin-
 7-yl]- (CA INDEX NAME)

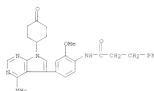
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



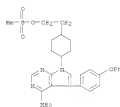
RII 261444-50-8 CAPLUS
 CH Cyclohexanone, 4-[(4-amino-5-(4-amino-5-methoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)]- (CA INDEX NAME)



RII 261444-51-9 CAPLUS
 CH Cyclohexanecetaldehyde, 4-[(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)]- (CA INDEX NAME)

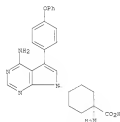


15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RII 264355-30-6 CAPLUS
 CH Cyclohexanecarboxylic acid, 1-amino-4-[(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)]-, cis- (CA INDEX NAME)

Relative stereochemistry.

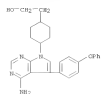


RII 264355-31-7 CAPLUS
 CH Cyclohexanecarbonitrile, 1-amino-4-[(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)]-, methyl ester, cis- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RII 264354-37-0 CAPLUS
 CH Cyclohexanecarbal, 4-[(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)]- (CA INDEX NAME)

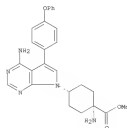


RII 264354-38-1 CAPLUS
 CH Cyclohexanecarbaldehyde, 4-[(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)]- (CA INDEX NAME)



RII 264354-50-7 CAPLUS
 CH Cyclohexanecarbaldehyde, 4-[(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)]-, methanesulfonate (ester) (EC) (CA INDEX NAME)

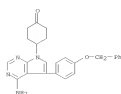
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RII 264355-34-2 CAPLUS
 CH Cyclohexanecarbonitrile, 1-amino-4-[(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)]- (CA INDEX NAME)



RII 264355-43-0 CAPLUS
 CH Cyclohexanecarbonitrile, 1-amino-4-[(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)]- (CA INDEX NAME)

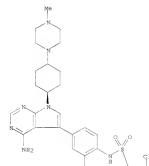


15 ANHMER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 PH 364351-99-7 CAPLUS
 CN Cyclohexanone, 4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)- (CA INDEX NAME)



3T 262442-50-2P 262442-56-8P 262442-90-0P
 364353-91-7P 364353-94-6P 364353-96-8P
 364354-00-7P 364354-02-8P 364354-05-2P
 364354-08-5P 364354-14-3P 364354-16-5P
 364354-17-6P 364354-18-8P 364354-21-2P
 364354-26-7P 364354-27-9P 364354-28-9P
 364354-32-5P 364354-36-9P 364354-39-2P
 364354-40-5P 364354-43-6P 364354-42-7P
 364354-43-0P 364354-44-9P 364354-45-0P
 364354-46-3P 364354-47-2P 364354-48-3P
 364354-51-8P 364354-52-9P 364354-53-0P
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 364354-68-7P 364354-69-8P 364354-70-1P
 364354-72-2P 364354-72-7P 364354-73-4P
 364354-74-3P 364354-75-1P 364354-80-7P
 364354-81-4P 364354-85-8P 364354-86-9P
 364354-90-3P 364354-94-9P 364354-95-0P
 364354-97-2P, C14-4-(4-Amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)-1,2-[[18-(indazol-2-ylmethyl)amino]ethyl]-1-cyclohexanone, diacetate 364354-98-7P 364354-99-4P
 364355-00-0P 364355-01-7P 364355-02-2P
 364355-03-7P 364355-04-0P 364355-05-6P,
trans-1-(Aminomethyl)-4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)-2-oxo-1,2-dihydro-1H-benzotriazin-4-one, diacetate 364355-07-7P
 364355-08-8P 364355-09-9P 364355-10-2P
 364355-11-3P 364355-12-0P 364355-13-5P
 364355-14-4P 364355-15-7P 364355-16-8P
 364355-18-2P 364355-19-2P 364355-20-4P
 364355-21-5P 364355-22-6P 364355-23-7P
 364355-24-8P 364355-25-9P 364355-28-3P,
 C14-4-(4-Amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)-1-

Relative stereochemistry.



PAGE 1-A

15 ANHMER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

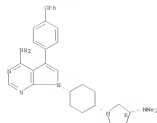
ammonocyclohexylmethanol acetate 364355-33-9P
 364355-35-1P 364355-40-8P 364355-41-9P
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 364355-57-7P 364355-58-8P 364355-59-9P
 364355-60-2P 364355-62-0P 364355-63-5P
 364355-64-6P 364355-65-7P 364355-66-8P
 364355-68-0P 364355-71-5P 364355-75-9P
 364355-76-0P 364355-77-1P 364355-78-2P
 364355-79-3P 364355-80-4P 364355-81-7P
 364355-82-8P 364355-85-9P 364355-84-0P
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 364355-88-4P 364355-89-5P 364355-90-6P
 364355-91-9P 364355-92-0P 364355-93-1P
 364355-96-4P 364355-97-5P 364354-60-9P
 364355-08-1P 364356-13-4P 364354-33-8P
 RU 3AC (Pharmacological activity); SHU (Synthetic preparation); THU (Therapeutic use); BICL (Biological activity); PEPF (Preparation); URES (Uses)

[Prep. of pyrrolopyrimidinones as protein kinase inhibitors]

364355-94-6 CAPLUS

7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[cis-4-[(7R)-3-(dimethylamino)-1-pyrroliidin]cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)

Absolute stereochemistry.



364355-94-6 CAPLUS

7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[trans-4-[(1R)-3-(dimethylamino)-1-pyrroliidin]cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 2-A

15 ANHMER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

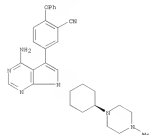
364353-93-3 CAPLUS
 CN Benzotrifluoride,
 5-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-phenoxy- diacetate (PCL) (CA INDEX NAME)

CM 1

CMN 364353-90-2

CMF C30 K33 M7 O

Relative stereochemistry.



CM 2

CMN 64-19-2

CMF C2 H4 O2

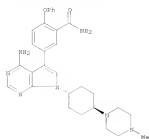


364353-94-6 CAPLUS

Benzoamide, 5-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)
pyrrolo[2,3-d]pyrimidin-5-yl]-2-phenoxy- (CA INDEX NAME)

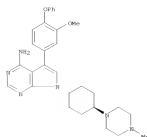
Relative stereochemistry.



220 364353-96-8 CAPLOS
CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine,
5-[(3-methoxy-4-phenoxyphenyl)-7-[(trans-
4-(4-methyl-1-piperazinyl)cyclohexyl]-, diacetate (PCI) (CA INDEX NAME)
CN 1
CNS 364353-95-7
CMT C10 R13 R6 O2

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



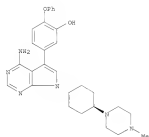
CN 2
CNS 64-19-7
CMT C2 R6 O2



220 364354-00-7 CAPLOS
CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[(3-methoxy-4-phenoxyphenyl)-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)-, diacetate (PCI) (CA INDEX NAME)

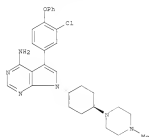
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



220 364354-01-8 CAPLOS
CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine,
5-[(3-chloro-4-phenoxyphenyl)-7-[(trans-
4-(4-methyl-1-piperazinyl)cyclohexyl)-, diacetate (PCI) (CA INDEX NAME)

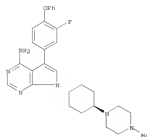
Relative stereochemistry.



220 364354-05-2 CAPLOS
CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine,
5-[(3-chloro-4-phenoxyphenyl)-7-[(trans-
4-(4-methyl-1-piperazinyl)cyclohexyl)-, diacetate (PCI) (CA INDEX NAME)
CN 1
CNS 364354-04-1

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)
CN C29 R13 F R6 O

Relative stereochemistry.



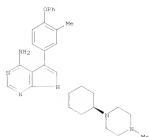
CN 2
CNS 64-19-7
CMT C2 R6 O2



220 364354-08-8 CAPLOS
CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine,
5-[(3-methoxy-4-phenoxyphenyl)-7-[(trans-
4-(4-methyl-1-piperazinyl)cyclohexyl)-, diacetate (PCI) (CA INDEX NAME)

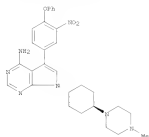
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

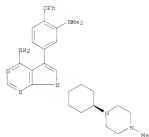


XX 364354-14-3 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)-5-[(3-nitro-4-phenoxyphenyl)]-, monomaleate (NCI)
 (CA INDEX NAME)
 CH 1
 CXX 364354-13-2
 CXP C29 H33 N7 O3

Relative stereochemistry.

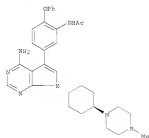


15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



XX 364354-13-5 CAPLUS
 CN Acetanilide,
 5-[5-(4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-3-yl]-2-phenoxyphenyl)-, monomaleate (9CI) (CA INDEX NAME)
 CH 1
 CXX 364354-18-7
 CXP C31 H37 N7 O2

Relative stereochemistry.



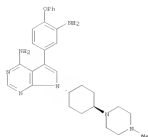
CH 2

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 2
 CXX 64-19-7
 CXP C2 H4 O2



XX 364354-16-5 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine,
 5-[5-amino-4-phenoxyphenyl]-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)- (CA INDEX NAME)
 Relative stereochemistry.



XX 364354-17-4 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine,
 5-[5-(dimethylamino)-4-phenoxyphenyl]-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

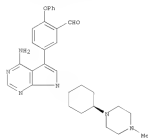
CXX 64-19-7
 CXP C2 H4 O2



XX 364354-21-2 CAPLUS
 CN Benzaldehyde,
 5-[5-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-3-yl]-2-phenoxy-, (2Z)-2-butenedioate (1:2) (CA INDEX NAME)

CH 1
 CXX 364354-20-1
 CXP C30 H34 N6 O2

Relative stereochemistry.



CH 2
 CXX 112-16-1
 CXP C4 H4 O4
 Double bond geometry as shown.

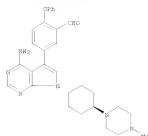


15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RI 364354-26-7 CAPLUS
 CH Benzaldehyde,
 5-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-
 pyrrolo[2,3-d]pyrimidin-5-yl]-2-phenoxy-, diacetate (9CI) (CA INDEX
 NAME)

CN 3

CHN 364354-26-3
 CMF C10 H14 N6 O2

Relative stereochemistry.



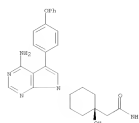
CN 2

CHN 64-19-7
 CMF C2 H4 O2



Relative stereochemistry.

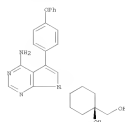
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 364354-28-9 CAPLUS

CN Cyclohexanemethanol, 4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-hydroxy-, trans- (CA INDEX NAME)

Relative stereochemistry.



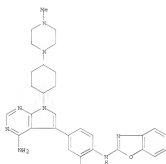
RI 364354-32-5 CAPLUS

CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-[2-benzoxazolylamino]-3-phenoxypheyl]-7-yl]-1-methyl-, trans-4-(4-methyl-1-piperazinyl)cyclohexyl- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

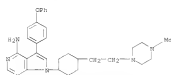
PAGE 1-A



PAGE 2-A

RI 364354-36-9 CAPLUS

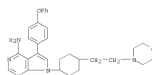
CH 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[4-[2-(4-methyl-1-piperazinyl)ethyl]cyclohexyl]-3-(4-phenoxypheyl)- (CA INDEX NAME)



RI 364354-39-3 CAPLUS

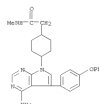
CH 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[4-[2-(4-methyl-1-piperazinyl)ethyl]cyclohexyl]-3-(4-phenoxypheyl)- (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



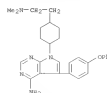
RI 364354-40-5 CAPLUS

CN Cyclohexanemethanol, 4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-8-methyl-, trans-4-(4-methyl-1-piperazinyl)cyclohexyl- (CA INDEX NAME)



RI 364354-41-6 CAPLUS

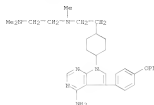
CH 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-[2-(dimethylamino)ethyl]cyclohexyl]-7-yl]-5-(4-phenoxypheyl)- (CA INDEX NAME)



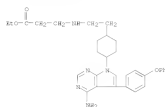
RI 364354-43-7 CAPLUS

CH 1,2-Ribandamine, N-[2-[4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-methyl-1-piperazinyl]ethyl]cyclohexyl]- (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)
 dipyrimidin-7-yl]cyclohexyl]ethyl]-N,N',N''-tri-methyl- (9C1) (CA INDEX NAME)

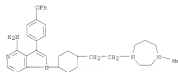


FIN 364354-43-8 CAPLUS
 CN 3-Piperidin-1-yl]-4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]ethyl]-, ethyl ester (CA INDEX NAME)

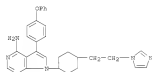


FIN 364354-44-9 CAPLUS
 CN 3-Piperidin-1-yl]-4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]ethyl]-, 1,3-dimethylethyl ester (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



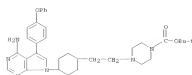
FIN 364354-48-1 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[4-[2-(1H-imidazol-1-yl)ethyl]cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)



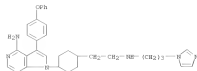
FIN 364354-51-8 CAPLUS
 CN Cyclopropanecarboxamide, N-[4-(4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-phenyl]- (CA INDEX NAME)

Relative stereochemistry.

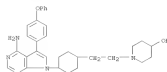
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



FIN 364354-45-0 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[4-[2-[1-(1H-imidazol-1-yl)propyl]amino]ethyl]cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)



FIN 364354-46-1 CAPLUS
 CN 6-Piperidin-1-yl]-4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]ethyl]- (CA INDEX NAME)



FIN 364354-47-2 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 1-[4-(1H-imidazo-4-methyl-1H-2,4-diazepin-1-yl)ethyl]cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

FIGURE 1-A

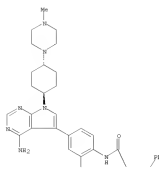


FIGURE 2-A

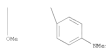
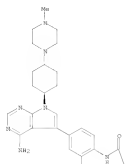


FIN 364354-52-9 CAPLUS
 CN Benzanide, N-[4-(4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-(dimethylamino)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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364354-53-0 CAPLUS

CN

Benzamide,

N-[4-{4-amino-7-[(trans-4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-

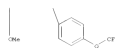
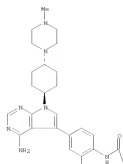
pyrrolo[2,3-b]pyridin-5-yl]-2-methoxyphenyl]-4-(trifluoromethyl)- (CA

INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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364354-54-1 CAPLUS

CN

Benzamide,

N-[4-{4-amino-7-[(trans-4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-

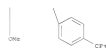
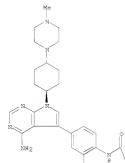
pyrrolo[2,3-b]pyridin-5-yl]-2-methoxyphenyl]-4-(trifluoromethyl)- (CA

INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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364354-55-2 CAPLUS

CN

Benzamide,

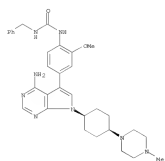
N-[4-{4-amino-7-[(trans-4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-

pyrrolo[2,3-b]pyridin-5-yl]-2-methoxyphenyl]-4-(trifluoromethyl)- (CA

INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



364354-56-3 CAPLUS

CN

Benzamide,

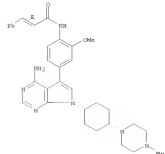
N-[4-{4-amino-7-[(trans-4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-

pyrrolo[2,3-b]pyridin-5-yl]-2-methoxyphenyl]-3-phenyl-, (2E)- (CA

INDEX NAME)

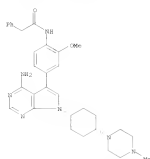
Relative stereochemistry.

Double bond geometry as shown.



15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 PI 364354-57-4 CAPLUS
 CH Benzenesulfonamide, N-[4-[(4-amino-7-[[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-CA INDEX NAME)

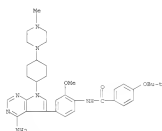
Relative stereochemistry.



PI 364354-59-6 CAPLUS
 CH Benzanide, N-[4-[(4-amino-7-[[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,5-difluoro- (CA INDEX NAME)

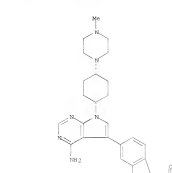
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



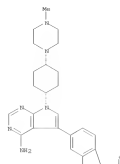
PI 364354-61-0 CAPLUS
 CH Benzanide, N-[4-[(4-amino-7-[[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-3-fluoro- (CA INDEX NAME)

Relative stereochemistry.



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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
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PI 364354-60-9 CAPLUS
 CH Benzanide, N-[4-[(4-amino-7-[[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-[1,1-dimethylethoxy]- (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

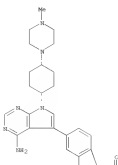


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PI 364354-62-1 CAPLUS
 CH Benzanide, N-[4-[(4-amino-7-[[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,5-difluoro- (CA INDEX NAME)

Relative stereochemistry.

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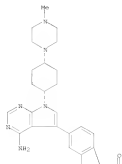
PAGE 2-A

PI 364354-63-2 CAPLUS
 CH 1,3-Benzodioxole-5-carboxamide, N-[4-[(4-amino-7-[[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-

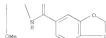
15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)
(CA INDEX NAME)

Relative stereochemistry.

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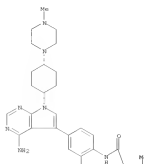


20 364354-64-3 CAPLOS
CN Benzamide, N-[4-[4-amino-7-[[cis-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,4-dimethyl- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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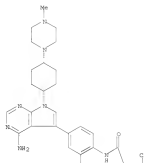


20 364354-65-4 CAPLOS
CN Benzamide, N-[4-[4-amino-7-[[cis-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-chloro-4-fluoro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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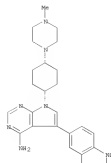


20 364354-66-5 CAPLOS
CN 2,1,3-Benzoxadiazole-5-carboxamide, N-[4-[4-amino-7-[[cis-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]- (CA INDEX NAME)

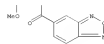
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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20 364354-68-7 CAPLOS
CN Benzenebutanamide, N-[4-[4-amino-7-[[cis-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

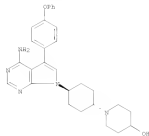
CHN 110-16-7
 OMF C4 H4 O4

Double bond geometry as shown.



HN 364354-74-5 CAPLUS
 CH 4-piperidinol, 1-[(trans-4-{4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl)- (CA INDEX NAME)

Relative stereochemistry.



HN 364354-75-6 CAPLUS
 CH 4-piperidinol, 1-[(trans-4-{4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl)-, (2S)-2-butenediate (1a2) (salt) (FC1)

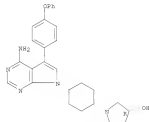
(CA INDEX NAME)

CHN 1

CHN 364354-74-5
 OMF C29 H23 N5 O4

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

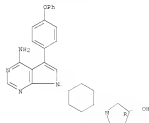


HN 364354-81-4 CAPLUS
 CH 3-pyrrolidinemethanol, 1-[(trans-4-{4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl)-, (3R)-, (2S)-2-butenediate (1a2) (salt) (FC1) (CA INDEX NAME)

CHN 1

CHN 364354-80-3
 OMF C28 H21 N5 O4

Absolute stereochemistry.

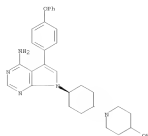


CHN 2

CHN 110-16-7
 OMF C4 H4 O4

Double bond geometry as shown.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



CHN 2

CHN 110-16-7
 OMF C4 H4 O4

Double bond geometry as shown.



HN 364354-80-3 CAPLUS
 CH 3-pyrrolidinemethanol, 1-[(trans-4-{4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl)-, (3R)- (CA INDEX NAME)

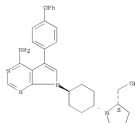
Absolute stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



HN 364354-85-8 CAPLUS
 CH 2-pyrrolidinemethanol, 1-[(trans-4-{4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl)-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



HN 364354-86-9 CAPLUS

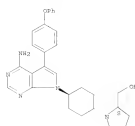
CH 2-pyrrolidinemethanol, 1-[(trans-4-{4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl)-, (2S)-, (2S)-2-butenediate (1a2) (salt) (FC1) (CA INDEX NAME)

CHN 1

CHN 364354-85-8
 OMF C29 H23 N5 O4

Absolute stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



CH 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.

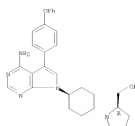


RN 364354-90-5 CAPLUS
 CN 2-Pyrrolo[2,3-b]pyridine, 1-[(trans-4-{4-amino-5-{4-phenoxyphe-
 nyl}-7H-pyrrolo[2,3-b]pyridin-2-yl}cyclohexyl)-, (2R)-, (2S)-2-hydroxyethyl
 (1,2) salt] (9CI) (CA INDEX NAME)

CH 3
 CHN 364354-93-2
 CNF C23 H27 N5 O2

Absolute stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



CH 2
 CHN 110-16-7
 CNF C4 H4 O4

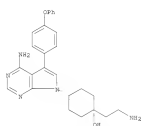
Double bond geometry as shown.



RN 364354-94-9 CAPLUS
 CN Cyclohexanol, 1-[(2-aminoethyl)-4-{4-amino-5-{4-phenoxyphe-
 nyl}-7H-pyrrolo[2,3-b]pyridin-2-yl}]-, cis- (CA INDEX NAME)

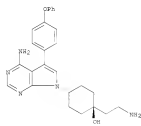
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



RN 364354-95-0 CAPLUS
 CN Cyclohexanol, 1-[(2-aminoethyl)-4-{4-amino-5-{4-phenoxyphe-
 nyl}-7H-pyrrolo[2,3-b]pyridin-2-yl}]-, trans- (CA INDEX NAME)

Relative stereochemistry.

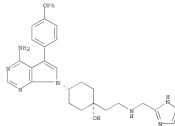


RN 364354-97-2 CAPLUS
 CN Cyclohexanol, 1-[(2-aminoethyl)-4-{4-amino-5-{4-phenoxyphe-
 nyl}-7H-pyrrolo[2,3-b]pyridin-2-yl}]-, cis-, diacetate (salt)
 (9CI) (CA INDEX NAME)

CH 3
 CHN 364354-98-2
 CNF C30 H27 N5 O2

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)

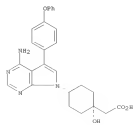


CH 2
 CHN 64-19-7
 CNF C2 H4 O2



RN 364354-98-3 CAPLUS
 CN Cyclohexanecarboxylic acid, 4-{4-amino-5-{4-phenoxyphe-
 nyl}-7H-pyrrolo[2,3-b]pyridin-2-yl}-1-hydroxy-, cis- (CA INDEX NAME)

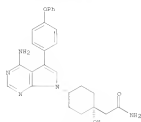
Relative stereochemistry.



RN 364354-99-4 CAPLUS

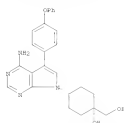
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)
 CN Cyclohexanecarboxamide, 4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-2-hydroxy-, cis- (CA INDEX NAME)

Relative stereochemistry.



RN 364355-00-2 CAPLUS
 CN Cyclohexanemethanol, 4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-2-hydroxy-, cis- (CA INDEX NAME)

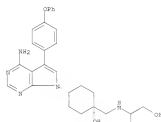
Relative stereochemistry.



RN 364355-01-1 CAPLUS
 CN Cyclohexanone, 1-(aminomethyl)-4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-2-hydroxy-, cis- (CA INDEX NAME)

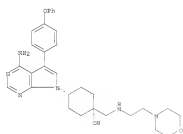
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)



RN 364355-04-4 CAPLUS
 CN Cyclohexanone, 1-(aminomethyl)-4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-2-hydroxy-, cis- (CA INDEX NAME)

Relative stereochemistry.

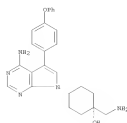


RN 364355-06-6 CAPLUS
 CN Cyclohexanone, 1-(aminomethyl)-4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-2-hydroxy-, trans-, diacetate (salt) (R2C) (CA INDEX NAME)

CN 1

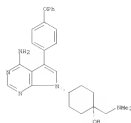
CN 364355-05-5

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)



RN 364355-02-2 CAPLUS
 CN Cyclohexanone, 4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-2-[[dimethylamino)methyl]-, cis- (CA INDEX NAME)

Relative stereochemistry.



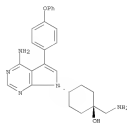
RN 364355-03-3 CAPLUS
 CN 1,3-Propanediol, 2-[[[cis-4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-hydroxycyclohexyl)methyl]amino]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

CNF C25 R27 R5 O2

Relative stereochemistry.



CN 2

CNF 64-19-7

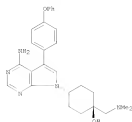
CNF C2 R4 O2



RN 364355-07-7 CAPLUS
 CN Cyclohexanone, 4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-2-[[dimethylamino)methyl]-, trans- (CA INDEX NAME)

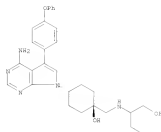
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



XX 344355-09-8 CAPLUS
 CN 1,3-Propazeneol,
 2-[[[trans-4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-2-hydroxycyclohexyl)methyl]amino]- (CA INDEX NAME)

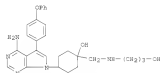
Relative stereochemistry.



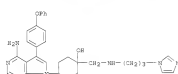
XX 344355-09-9 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[[2-(4-methoxyphenyl)ethyl]amino]methyl]-, trans- (CA INDEX NAME)

Relative stereochemistry.

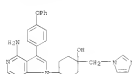
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



XX 344355-12-4 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[[2-(1H-indazol-3-yl)propyl]amino]methyl]- (CA INDEX NAME)

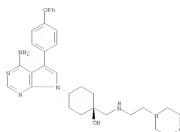


XX 344355-13-5 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[[2-(1H-indazol-3-yl)methyl]-N-methyl-1H-pyrazol-4-yl]amino]methyl]- (CA INDEX NAME)

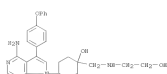


XX 344355-14-6 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[[2-(2-hydroxyethoxy)ethyl]amino]methyl]- (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

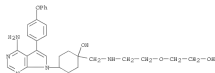


XX 344355-10-2 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[[2-hydroxyethyl]amino]methyl]- (CA INDEX NAME)

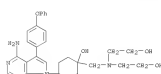


XX 344355-11-3 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[[2-hydroxypropyl]amino]methyl]- (CA INDEX NAME)

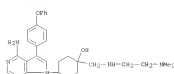
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



XX 344355-15-7 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[[2-(2-hydroxyethyl)amino]methyl]-N-methyl-1H-pyrazol-4-yl]amino]methyl]- (CA INDEX NAME)

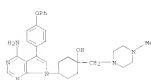


XX 344355-16-8 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[[2-(2-hydroxyethyl)amino]methyl]-N-methyl-1H-pyrazol-4-yl]amino]methyl]- (CA INDEX NAME)

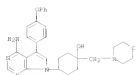


XX 344355-18-0 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[[2-(2-hydroxyethyl)amino]methyl]-N-methyl-1H-pyrazol-4-yl]amino]methyl]- (CA INDEX NAME)

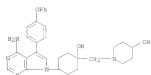
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



XX 364355-19-1 CAPLUS
 CH Cyclohexano,
 4-[[4-amino-5-(4-phenylphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-(4-morpholinylmethyl)- (CA INDEX NAME)

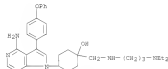


XX 364355-19-4 CAPLUS
 CH 4-[[4-amino-5-(4-phenylphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-(4-morpholinylmethyl)- (CA INDEX NAME)

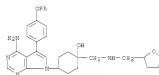


XX 364355-11-5 CAPLUS
 CH Cyclohexano,
 4-[[4-amino-5-(4-phenylphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-(4-morpholinylmethyl)- (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



XX 364355-25-9 CAPLUS
 CH Cyclohexano,
 4-[[4-amino-5-(4-phenylphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-(4-morpholinylmethyl)- (CA INDEX NAME)



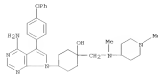
XX 364355-29-3 CAPLUS
 CH Cyclohexanemethanol,
 1-amino-4-[[4-amino-5-(4-phenylphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-(4-morpholinylmethyl)-, di-, monoacetate (salt) (SCI) (CA INDEX NAME)

CH 1

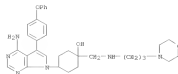
CH 364355-28-2
 CH C25 H27 N5 O2

Relative stereochemistry.

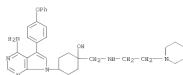
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



XX 364355-22-6 CAPLUS
 CH Cyclohexano,
 4-[[4-amino-5-(4-phenylphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-(4-morpholinylmethyl)- (CA INDEX NAME)

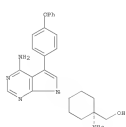


XX 364355-23-7 CAPLUS
 CH Cyclohexano,
 4-[[4-amino-5-(4-phenylphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-(4-morpholinylmethyl)- (CA INDEX NAME)



XX 364355-34-8 CAPLUS
 CH Cyclohexano,
 4-[[4-amino-5-(4-phenylphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-(4-morpholinylmethyl)- (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2

CH 64-19-7
 CH C2 H4 O2



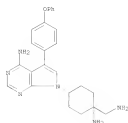
XX 364355-32-9 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[[4-amino-5-(4-phenylphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-(4-morpholinylmethyl)-, monoacetate (SCI) (CA INDEX NAME)

CH 1

CH 364355-32-8
 CH C25 H28 N6 O

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2

CHN 64-13-7

CHF C2 H4 O2



ZH 364355-35-1 CAPLUS

CH 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(trans-4-amino-4-(aminomethyl)cyclohexyl)-5-(4-phenoxyphenyl)]-, monoacetate (1C1) (CA INDEX NAME)

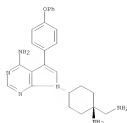
CH 1

CHN 364355-34-0

CHF C23 H23 N6 O

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2

CHN 64-13-7

CHF C2 H4 O2

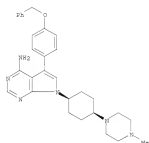


ZH 364355-40-8 CAPLUS

CH 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl)-5-(4-(phenylmethoxy)phenyl)]-, (CA INDEX NAME)

Relative stereochemistry.

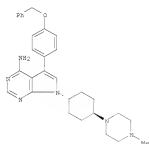
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



ZH 364355-41-9 CAPLUS

CH 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)-5-(4-(phenylmethoxy)phenyl)]-, (CA INDEX NAME)

Relative stereochemistry.

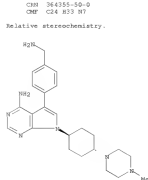


ZH 364355-51-1 CAPLUS

CH 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-(aminomethyl)phenyl]-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)]-, (2Z)-2-butenedioate (1:4) (CA INDEX NAME)

CH 3

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2

CHN 110-16-7

CHF C24 H33 N7

Double bond geometry as shown.



ZH 364355-52-3 CAPLUS

CH 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)-5-(4-(phenylmethoxy)phenyl)]-, (2Z)-2-butenedioate (1:4) (CA INDEX NAME)

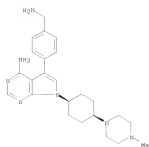
CH 1

CHN 364355-52-0

CHF C24 H33 N7

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 3
CHN 110-12-7
CHF C4 R4 O4

Double bond geometry as shown.



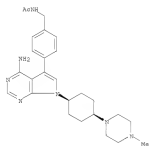
HN 364351-14-6 CAPLUS
CH Benzamide, N-[[4-[4-amino-7-[(trans-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

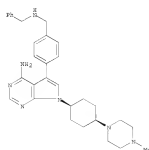
HN 364355-18-8 CAPLUS
CH Acetanilide,
N-[[4-[4-amino-7-[(cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

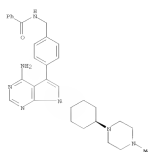


HN 364353-19-3 CAPLUS
CH 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[[cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-5-[4-[[phenyl(methyl)amino]methyl]phenyl]- (CA INDEX NAME)

Relative stereochemistry.

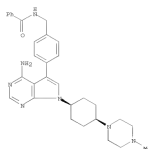


15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 364355-57-7 CAPLUS
CH Benzamide,
N-[[4-[4-amino-7-[(cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]methyl]- (CA INDEX NAME)

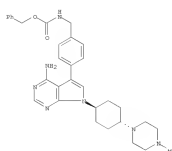
Relative stereochemistry.



15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

HN 364355-60-2 CAPLUS
CH Carbanic acid,
[[4-[4-amino-7-[(trans-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]methyl]-, phenylmethyl ester (SCI) (CA INDEX NAME)

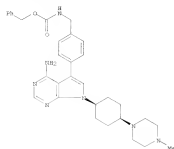
Relative stereochemistry.



HN 364355-62-4 CAPLUS
CH Carbanic acid, [[4-[4-amino-7-[(cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]methyl]-, phenylmethyl ester (SCI) (CA INDEX NAME)

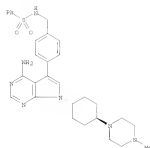
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

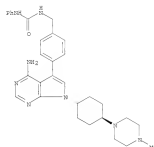


RI 364355-63-5 CAPLUS
 CH Benzenesulfonamide, N-[(4-{4-amino-7-[trans-4-{4-methyl-1-piperazinyl}cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}phenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.

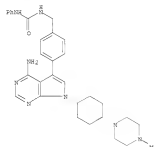


15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)



RI 364355-64-8 CAPLUS
 CH Urea, N-[(4-{4-amino-7-[trans-4-{4-methyl-1-piperazinyl}cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}phenyl)methyl]-4H-phenyl- (CA INDEX NAME)

Relative stereochemistry.



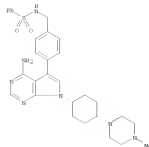
RI 364355-69-0 CAPLUS
 CH Benzenesulfonamide, N-[(4-{4-amino-7-[trans-4-{4-methyl-1-piperazinyl}cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}-N-phenyl-, (2S)-2-benzenedisulfonate (1:1) (CA INDEX NAME)

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

RI 364355-64-6 CAPLUS
 CH Benzenesulfonamide, N-[(4-{4-amino-7-[trans-4-{4-methyl-1-piperazinyl}cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}phenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.



RI 364355-65-7 CAPLUS
 CH Urea, N-[(4-{4-amino-7-[trans-4-{4-methyl-1-piperazinyl}cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}phenyl)methyl]-4H-phenyl- (CA INDEX NAME)

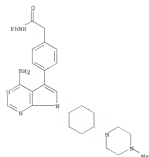
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

INDEX NAME)

CH 1
 CHN 364355-67-9
 CHF C31 H37 N7 O

Relative stereochemistry.



CH 2
 CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.

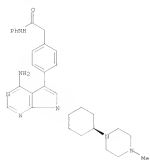


RI 364355-71-8 CAPLUS
 CH Benzenesulfonamide, N-[(4-{4-amino-7-[trans-4-{4-methyl-1-piperazinyl}cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl}-N-phenyl-, (2S)-2-benzenedisulfonate (1:1) (CA INDEX NAME)

CH 1
 CHN 364355-70-4
 CHF C31 H37 N7 O

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CM 2
 CHN 110-11-7
 CMF C4 H4 O4

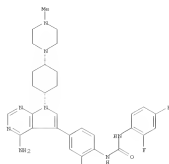
Double bond geometry as shown.



RI 364355-71-9 CAPLUS
 CM Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrole[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-[2,4-difluorophenyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

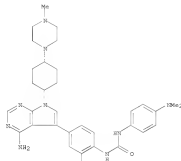


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RI 364355-76-0 CAPLUS
 CM Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrole[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-[4-(dimethylamino)phenyl]- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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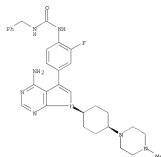


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RI 364355-77-1 CAPLUS
 CM Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrole[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-[phenylmethyl]- (CA INDEX NAME)

Relative stereochemistry.

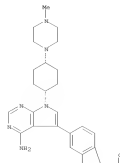
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 364355-78-2 CAPLUS
 CM Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrole[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-[13-methylphenyl)methyl]- (CA INDEX NAME)

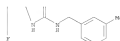
Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

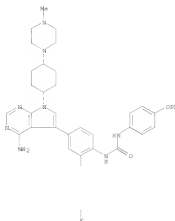
PAGE 2-A



XX 364355-79-3 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(4-phenoxypheyl)]- (CA INDEX NAME)

Relative stereochemistry.

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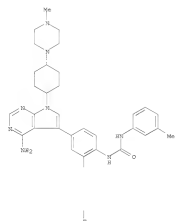


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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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XX 364355-82-9 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(3,5-dimethoxyphenyl)]- (CA INDEX NAME)

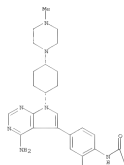
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

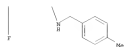
XX 364355-80-6 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(4-methylphenyl)methyl]- (CA INDEX NAME)

Relative stereochemistry.

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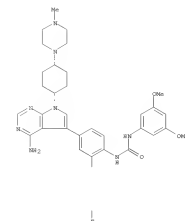


XX 364355-81-7 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(3-methylphenyl)]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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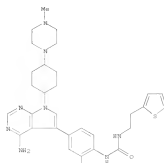


XX 364355-83-8 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(2-thienylethyl)]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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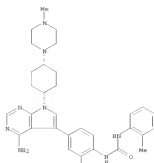
PAGE 2-A

RN 364351-84-0 CAPLUS
 CH Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(2-methylphenyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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F

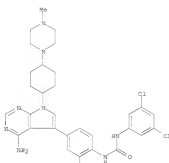
PAGE 2-A

RN 364355-85-1 CAPLUS
 CH Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(3,5-dichlorophenyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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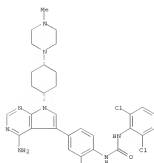
PAGE 2-A

RN 364351-86-2 CAPLUS
 CH Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(5,6-dichlorophenyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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F

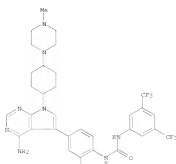
PAGE 2-A

RN 364355-87-3 CAPLUS
 CH Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(5,5-bis(trifluoromethyl)phenyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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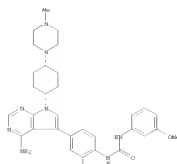
PAGE 2-A

RN 364355-89-4 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-78-pyrrolo[2,1-f]pyrimidin-5-yl]-2-fluorophenyl]-8'-[3-methoxyphenyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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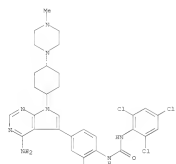
PAGE 2-A

RN 364355-89-5 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-78-pyrrolo[2,1-f]pyrimidin-5-yl]-2-fluorophenyl]-8'-[2,4,6-trichlorophenyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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F

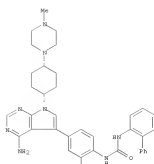
PAGE 2-A

RN 364355-90-8 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-78-pyrrolo[2,1-f]pyrimidin-5-yl]-2-fluorophenyl]-8'-[1,3-dichloro-4-methylphenyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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F

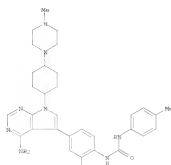
PAGE 2-A

RN 364355-91-9 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-78-pyrrolo[2,1-f]pyrimidin-5-yl]-2-fluorophenyl]-8'-[(4-methylphenyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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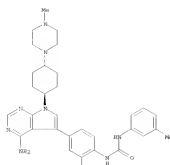
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364355-92-0 CAPLUS
 CH Urea, N-[4-[4-amino-7-[(trans-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N''-(3-methylphenyl)- (CA INDEX NAME)

Relative stereochemistry.

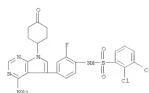
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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364355-93-1 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[4-oxocyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,3-dichloro- (CA INDEX NAME)

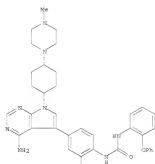


15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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364355-94-4 CAPLUS
 CH Urea, N-[4-[4-amino-7-[(cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N''-(3-phenoxypheyl)- (CA INDEX NAME)

Relative stereochemistry.



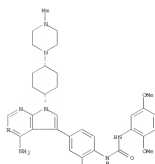
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364355-97-5 CAPLUS
 CH Urea, N-[4-[4-amino-7-[(cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N''-(3,5-dimethoxyphenyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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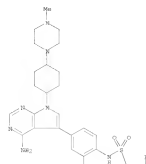
364356-05-8 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[(cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,5-dibromo-3,6-difluoro-, (2Z)-2-butenesulfonate (1:2) (CA INDEX NAME)

CH 1
 CHN 262443-66-3
 CHN C22 H20 Br2 F3 N7 O2 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CHN 110-16-7

CNF C4 H4 O4

Double bond geometry as shown.



CN 364356-11-8 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5,4-dichloro-, (2S)-2-butenediate (1:2) (CA INDEX NAME)

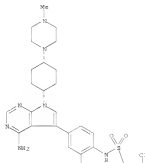
CN 1

CHN 36443-10-7

CNF C19 H21 Cl2 F N7 O2 S

Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 364356-08-1 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-chlorophenyl]-5,4-dichloro-, (2S)-2-butenediate (1:2) (CA INDEX NAME)

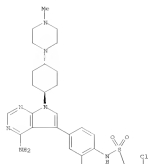
CN 1

CHN 362443-18-1

CNF C19 H21 Cl2 F N7 O2 S

Relative stereochemistry.

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CN 2

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CN 2

CHN 110-16-7

CNF C4 H4 O4

Double bond geometry as shown.



CN 364356-13-8 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-nitro-, (2S)-2-butenediate (1:2) (CA INDEX NAME)

CN 1

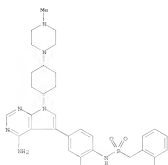
CHN 262443-68-5

CNF C19 H21 F N7 O2 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)

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CH 2
 CHN 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.

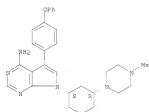


IT 262442-00-2P

3L PDC (Pharmacological activity); RCT (Reactant); SPR (Synthetic preparation); TBT (Therapeutic use); BUL (Biological study); PREP (Preparation); RACT (Reactant or reagent); DBES (Data);
 (reagent; preparation of pyrrolopyridinamines as protein kinase

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)

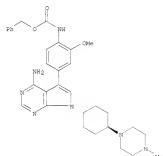
Relative stereochemistry.



NN 262442-79-5 CAPLOS

CH Carboxylic acid,
 [4-(4-amin-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-
 7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, phenylmethyl ester
 [9CI] (CA INDEX NAME)

Relative stereochemistry.



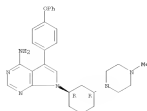
NN 262444-63-3 CAPLOS

CH Carboxylic acid,
 3-[4-amin-3-(4-phenoxycarbonyl)-7H-pyrrolo[2,3-d]pyrimidin-7-
 yl]cyclopentyl 4-nitrophenyl ester (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)

NN 262442-00-2 CAPLOS
 CH 7H-pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(1R,3R)-3-(4-methyl-1-
 piperazinyl)cyclohexyl]-5-(4-phenoxycarbonyl)-, en- (CA INDEX NAME)

Relative stereochemistry.



IT 213743-76-1 262442-03-5 262442-79-5

262444-63-3 262444-62-5 26255-50-0

364355-52-0

RI: RCT (Reactant); RACT (Reactant or reagent)

(reagent; preparation of pyrrolopyridinamines as protein kinase

(inhibitor)

NN 213743-76-1 CAPLOS

CH Cyclopentanol,

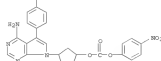
2-[4-amin-5-(4-phenoxycarbonyl)-7H-pyrrolo[2,3-d]pyrimidin-7-
 yl]- (CA INDEX NAME)

NN 262442-02-5 CAPLOS

CH 7H-pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(1R,3R)-3-(4-methyl-1-
 piperazinyl)cyclohexyl]-5-(4-phenoxycarbonyl)-, en- (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)

Relative stereochemistry.



NN 262444-63-5 CAPLOS

CH Methanone, 4-[4-amin-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-
 yl]phenylphenyl- (CA INDEX NAME)

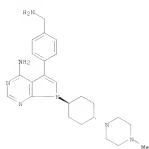


NN 364355-50-0 CAPLOS

CH 7H-pyrrolo[2,3-d]pyrimidin-4-amine, 5-[6-(aminomethyl)phenyl]-7-[trans-4-
 (4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

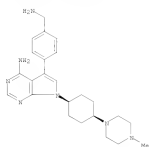
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



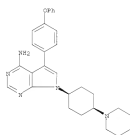
HN 262441-52-2 CAPLUS
CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine,
5-[4-(aminomethyl)phenyl]-7-[cis-4-(4-
methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.



IT 262441-45-2P 262441-49-6P 262441-81-2P
262444-45-1P

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 262443-81-2 CAPLUS
CN Acetate salt,
[4-(4-amino-5-[4-(phenoxymethyl)-78-pyrrolo[2,3-d]pyrimidin-7-
yl)cyclohexylidene]- (SC2) (CA INDEX NAME)



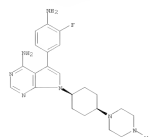
HN 262444-43-1 CAPLUS
CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine,
5-[4-(aminomethyl)phenyl]-7-[trans-4-(4-
methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RL R6C (Pharmacological activity); R67 (Reactant); R69 (Synthetic
preparation); T67 (Therapeutic use); R10C (Biological study); P6P
(Preparation); R67 (Reactant or reagent); R69 (Reactant)
(Target compd., prepn. of pyrrolopyrimidinamines as protein kinase
inhibitors)

HN 262441-65-2 CAPLUS
CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine,
5-[4-(amino-3-fluorophenyl)-7-[cis-4-(4-
methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

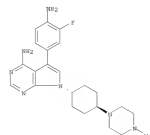


HN 262441-49-6 CAPLUS
CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-(phenoxymethyl)-7-[cis-4-(1-
piperidinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

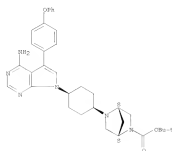


15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



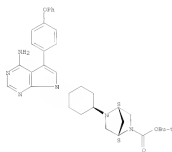
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262441-66-7P 262441-67-0P 262441-69-0P
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262443-98-7P 262443-99-8P 262444-01-0P

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)

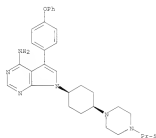


262441-63-4 CAPLOS
 CN 3,3-bisazabicyclo[1.2.1]heptane-2-carboxylic acid,
 5-[trans-4-(4-oxo-5-(4-phenoxypheyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]-,
 1,1'-dinethyl ester, (1S,4S)- (CA INDEX NAME)

Relative stereochemistry.

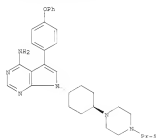


15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)



262441-69-0 CAPLOS
 CN 7H-pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-(4-(1-methylethyl)-1-piperazinyl)cyclohexyl]-5-(4-phenoxypheyl)- (CA INDEX NAME)

Relative stereochemistry.



262441-71-4 CAPLOS
 CN 7H-pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-6-[4-(2-methoxyethyl)-1-piperazinyl)cyclohexyl]-5-(4-phenoxypheyl)- (CA INDEX NAME)

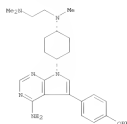
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)

262441-66-7 CAPLOS
 CN 1,2-bis(azabicyclo[1.2.1]heptane-2-carboxylic acid, 5-[trans-4-(4-oxo-5-(4-phenoxypheyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]-9H,N',N'-trimethyl-, (1S,4S)- (SC1) (CA INDEX NAME)

CN 1
 CBR 262441-65-6
 CMF C3 9 H34 H4 O

Relative stereochemistry.



CN 2
 CBR 110-16-7
 CMF C4 H4 O4

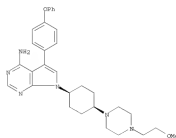
Double bond geometry as shown.



262441-67-8 CAPLOS
 CN 7H-pyrrolo[2,3-d]pyrimidin-4-amine, 3-[cis-4-[4-(1-methylethyl)-1-piperazinyl)cyclohexyl]-5-(4-phenoxypheyl)- (CA INDEX NAME)

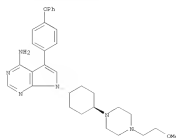
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)



262441-73-6 CAPLOS
 CN 7H-pyrrolo[2,3-d]pyrimidin-4-amine, 7-[trans-4-[4-(2-methoxyethyl)-1-piperazinyl)cyclohexyl]-5-(4-phenoxypheyl)- (CA INDEX NAME)

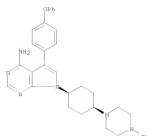
Relative stereochemistry.



262441-75-8 CAPLOS
 CN 7H-pyrrolo[2,3-d]pyrimidin-4-amine, 7-[cis-6-[4-(2-ethoxyethyl)-1-piperazinyl)cyclohexyl]-5-(4-phenoxypheyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

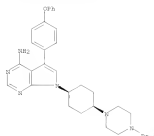


RI 262441-76-9 CAPLUS
 CH 76-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-6-[4-(1-methylethyl)-3-piperidinyl]pyridine-5-(4-phenoxyphenyl)-, (2Z)-2-butenedioate (1:3)
 (CA INDEX NAME)

CH 1

CHN 262441-67-9
 CHF C31 H39 N6 O

Relative stereochemistry.



15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

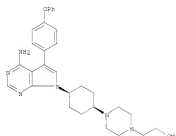


RI 262441-79-3 CAPLUS
 CH 76-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-6-[4-(2-methoxyethyl)-3-piperidinyl]pyridine-5-(4-phenoxyphenyl)-, (2Z)-2-butenedioate (1:3)
 (CA INDEX NAME)

CH 1

CHN 262441-73-6
 CHF C31 H39 N6 O2

Relative stereochemistry.



CH 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



RI 262441-79-3 CAPLUS
 CH 76-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-[4-(2-methoxyethyl)-3-piperidinyl]pyridine-5-(4-phenoxyphenyl)-, (2Z)-2-butenedioate (1:3)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.

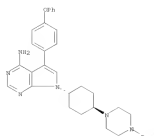


RI 262441-77-0 CAPLUS
 CH 76-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-[4-(1-methylethyl)-3-piperidinyl]pyridine-5-(4-phenoxyphenyl)-, (2Z)-2-butenedioate (1:3)
 (CA INDEX NAME)

CH 1

CHN 262441-69-0
 CHF C31 H39 N6 O

Relative stereochemistry.



CH 2

CHN 110-16-7
 CHF C4 H4 O4

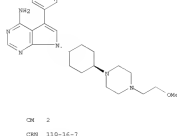
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 1

CHN 262441-73-6
 CHF C31 H39 N6 O2

Relative stereochemistry.



CH 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



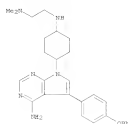
RI 262441-81-6 CAPLUS
 CH 1,2-Ethanedithione, N'-[cis-6-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]pyridine-5-(4-phenoxyphenyl)-N,N-dimethyl-, (2Z)-2-butenedioate (1:3)
 (9:1) (CA INDEX NAME)

CH 1

CHN 262441-80-5
 CHF C28 H34 N6 S2

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CHN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.

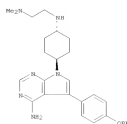


RR 262441-83-3 CAPLUS
CN 1,1'-Bis(benzimidazol-2-yl)-2,2'-bis(4-phenylphenyl)-7,7'-bipyrazole
N'-[trans-4-(4-aminophenyl)-7H-pyrazolo[2,3-b]pyridin-7-yl]cyclohexyl-N,N-dimethyl-, (2E)-2-butenedioate (1:1)
[K+] (CA INDEX NAME)

CH 1
CHN 262441-82-7
CMF C20 H24 N6 O

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CHN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.

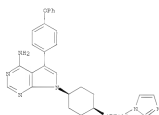


RR 262441-83-3 CAPLUS
CN 7H-pyrazolo[2,3-b]pyridin-6-amine, 7-[(cis-4-{[3-(1H-imidazol-1-yl)propyl]cyclohexyl}-5-(4-phenylphenyl)-, (2E)-2-butenedioate (1:1)
[K+] (CA INDEX NAME)

CH 1
CHN 262441-84-9
CMF C20 H24 N6 O

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CHN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.

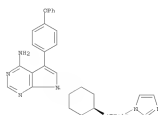


RR 262441-87-2 CAPLUS
CN 7H-pyrazolo[2,3-b]pyridin-6-amine, 7-[(trans-4-{[3-(1H-imidazol-1-yl)propyl]cyclohexyl}-5-(4-phenylphenyl)-, (2E)-2-butenedioate (1:1)
[K+] (CA INDEX NAME)

CH 1
CHN 262441-86-1
CMF C20 H24 N6 O

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



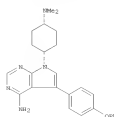
CH 2
CHN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.



RR 262441-89-3 CAPLUS
CN 7H-pyrazolo[2,3-b]pyridin-6-amine, 7-[(cis-4-{[dimethylamino]cyclohexyl}-5-(4-phenylphenyl)-, (2E)-2-butenedioate (1:1)
[K+] (CA INDEX NAME)

Relative stereochemistry.



15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

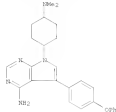
FH 262441-89-4 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[4-(4-(dimethylamino)phenyl)-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:2) (CA INDEX NAME)

CN 1

CHN 262441-89-4
CHP C26 H27 N5 O

Relative stereochemistry.



CN 2

CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.



FH 262441-91-9 CAPLUS

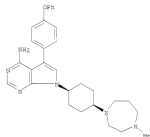
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-phenoxyphenyl)-7-[trans-6-(1-piperidinyl)cyclohexyl]-, (2S)-2-butenedioate (1:2) (CA INDEX NAME)

CN 1

CHN 262441-91-9
CHP C28 H32 N5 O

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



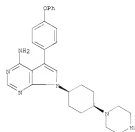
FH 262441-94-1 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-phenoxyphenyl)-7-[trans-6-(1-piperazinyl)cyclohexyl]-, (2S)-2-butenedioate (1:2) (CA INDEX NAME)

CN 1

CHN 262441-93-0
CHP C28 H32 N6 O

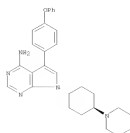
Relative stereochemistry.



CN 2

CHN 110-16-7

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



CN 2

CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.



FH 262441-92-9 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-6-(benzylidene-1H-1,4-diazepin-1-yl)cyclohexyl]-5-(4-phenoxyphenyl)-, dihydrochloride (9:1) (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-phenoxyphenyl)-7-[trans-6-(1-piperazinyl)cyclohexyl]-, (2S)-2-butenedioate (1:2) (CA INDEX NAME)

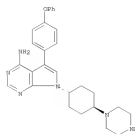
Double bond geometry as shown.



FH 262441-95-2 CAPLUS

CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-phenoxyphenyl)-7-[trans-6-(1-piperazinyl)cyclohexyl]-, (2S)-2-butenedioate (1:2) (CA INDEX NAME)

Relative stereochemistry.



FH 262441-96-3 CAPLUS

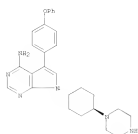
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-phenoxyphenyl)-7-[trans-6-(1-piperazinyl)cyclohexyl]-, (2S)-2-butenedioate (1:2) (CA INDEX NAME)

CN 1

CHN 262441-95-2
CHP C28 H32 N6 O

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CNS 110-16-7
CNP C4 H4 O4

Double bond geometry as shown.



RN

262441-99-5 CAPLOS

CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(3-{4-methyl-1-piperazinyl}cyclohexyl)-5-(4-phenoxypheyl)-, (2S)-2-butenedioate (1:3)] (CA INDEX NAME)

CN 1

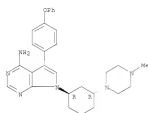
CNS 262441-97-6
CNP C19 H22 N6 O

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CNS 262442-03-3
CNP C19 H24 N6 O

Relative stereochemistry.



CN 2

CNS 110-16-7
CNP C4 H4 O4

Double bond geometry as shown.



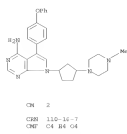
RN

262442-02-4 CAPLOS

CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(1S,2S)-2-(4-methyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxypheyl)-, trihydroxide, rel- (PCI) (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CNS 110-16-7
CNP C4 H4 O4

Double bond geometry as shown.



RN

262441-99-6 CAPLOS

CN Benzenethiazol, 4-(4-amine-7-cyclopentyl-1H-pyrrolo[2,3-d]pyrimidin-5-yl)-w-phenyl- (CA INDEX NAME)

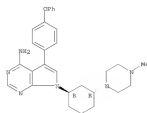


RN

262442-01-3 CAPLOS

CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(1R,2R)-2-(4-methyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxypheyl)-, rel-, (2S)-2-butenedioate (1:3) (PCI) (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



● 3 PCI

RN

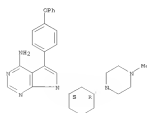
262442-04-4 CAPLOS

CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(1R,2R)-2-(4-methyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxypheyl)-, rel-, (2S)-2-butenedioate (1:3) (PCI) (CA INDEX NAME)

CN 1

CNS 262442-03-5
CNP C29 H24 N6 O

Relative stereochemistry.



CN 2

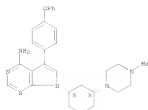
CNS 110-16-7
CNP C4 H4 O4

15 ANMEER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)
Double bond geometry as shown.



RN 262442-05-7 CAPLOS
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[1(1R,2S)-3-(4-methyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxyphenyl)-, trihydrochloride, zwitterion (3CI)
(CA INDEX NAME)

Relative stereochemistry.



● RN1

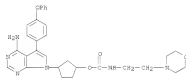
RN 262442-01-9 CAPLOS
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[2-methyl-4-phenoxyphenyl]-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CN 262442-06-8
CNF C30 R36 N6 O

Relative stereochemistry.

15 ANMEER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



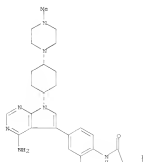
● RN1

RN 262442-11-5 CAPLOS
CN Benzanide, N-[4-{4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-78-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-2,4-difluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

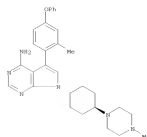
CN 262442-10-4
CNF C31 R35 F2 N7 O2

Relative stereochemistry.



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15 ANMEER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CN 110-16-7
CNF C4 R6 O4

Double bond geometry as shown.



RN 262442-08-0 CAPLOS
CN Galbanic acid, [2-[4-morpholinyl]ethyl]-, 3-[4-amino-5-(4-phenoxyphenyl)-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclopentyl ester, monohydrochloride (3CI)
(CA INDEX NAME)

15 ANMEER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CN 110-16-7
CNF C4 R6 O4

Double bond geometry as shown.



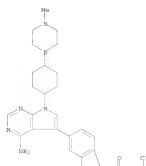
RN 262442-13-7 CAPLOS
CN Benzanide, N-[4-{4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-78-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-2,3-dichloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CN 262442-12-6
CNF C31 R35 Cl2 N7 O2

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)
 CN Benzanide, N-[4-[4-amino-7-[(cis-4-(4-methyl-3-piperazinyl)cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,4-dichloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)
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CN 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



BN 262442-13-9 CAPLUS

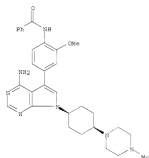
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)
 Double bond geometry as shown.



BN 262442-13-3 CAPLUS
 CN Benzanide, N-[4-[4-amino-7-[(cis-4-(4-methyl-3-piperazinyl)cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,4-dichloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)
 (1:3)

CN 3
 CHN 262442-16-0
 CNF C31 H37 N7 O2

Relative stereochemistry.



CN 2
 CHN 110-16-7
 CNF C4 H4 O4

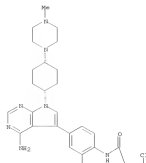
Double bond geometry as shown.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)
 CN Benzanide, N-[4-[4-amino-7-[(cis-4-(4-methyl-3-piperazinyl)cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,4-dichloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CN 1
 CHN 262442-14-8
 CNF C73 H35 C12 N7 O2

Relative stereochemistry.

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CN 2
 CHN 110-16-7
 CNF C4 H4 O4

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

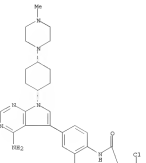


BN 262442-13-3 CAPLUS
 CN Benzanide, N-[4-[4-amino-7-[(cis-4-(4-methyl-3-piperazinyl)cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,4-dichloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CN 3
 CHN 262442-16-0
 CNF C31 H37 N7 O2

Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 2

CHN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.



R1 261442-21-7 CAPLUS

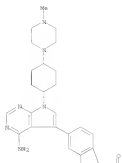
CH Benzanide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-chloro-N-(trifluoromethyl)- (2S)-2-butenedioate [115] (CA INDEX NAME)

CH 2

CHN 261442-20-6
CMF C32 H35 Cl F3 N7 O2

Relative stereochemistry.

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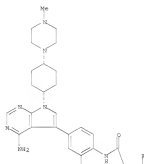
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 2

R1 261442-23-9 CAPLUS
CH Benzanide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,6-difluoro- (CA INDEX NAME)

Relative stereochemistry.

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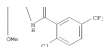
R1 261442-24-0 CAPLUS

CH Benzanide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-methoxy- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHN 110-16-7
CMF C4 H4 O4

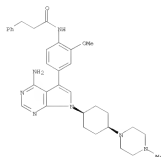
Double bond geometry as shown.



R1 261442-22-8 CAPLUS

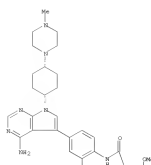
CH Benzenepropionamide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]- (CA INDEX NAME)

Relative stereochemistry.



15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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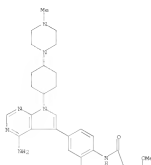
R1 261442-25-1 CAPLUS

CH Benzanide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,6-dimethoxy- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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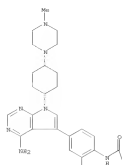


262442-24-2 CAPLOS
 CH Benzanide, N-[4-[(4-amino-7-[(4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-3,4-dichloro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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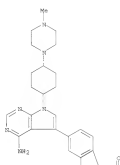


262442-27-3 CAPLOS
 CH Benzanide, N-[4-[(4-amino-7-[(4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-3-methoxy- (CA INDEX NAME)

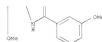
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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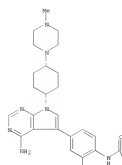


262442-28-4 CAPLOS
 CH Benzanide, N-[4-[(4-amino-7-[(4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-fluoro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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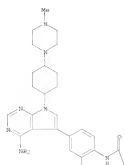


262442-29-5 CAPLOS
 CH Benzanide, N-[4-[(4-amino-7-[(4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-fluoro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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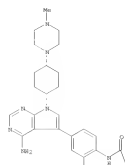


20 262441-30-8 CAPLUS
 CN Benzanide, N-[4-[(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-methoxy- (CA INDEX NAME)

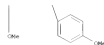
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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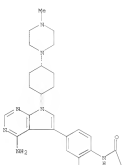


20 262442-31-9 CAPLUS
 CN Benzanide, N-[4-[(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-methoxy- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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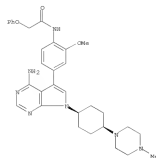
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20 262443-32-0 CAPLUS
 CN Acetanide, N-[4-[(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-phenoxy- (CA INDEX NAME)

Relative stereochemistry.

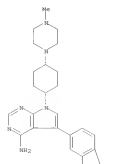
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



20 262444-33-1 CAPLUS
 CN Acetanide, N-[4-[(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-(4-chlorophenoxy)- (CA INDEX NAME)

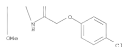
Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

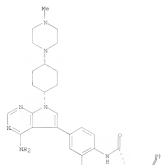
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RI 262442-34-2 CAPLUS
 CH Benzanide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-phenyl-, (1R,2R)-rac- (CA INDEX NAME)

Relative stereochemistry.

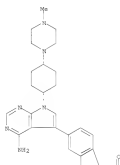
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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CH Benzanide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-nitro- (CA INDEX NAME)

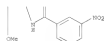
Relative stereochemistry.

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RI 262442-37-5 CAPLUS
 CH Benzanide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-nitro- (CA INDEX NAME)

Relative stereochemistry.



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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

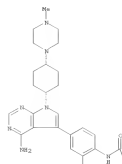
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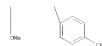
RI 262442-35-3 CAPLUS
 CH Benzanide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-cyano- (CA INDEX NAME)

Relative stereochemistry.

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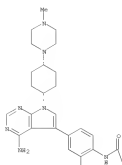
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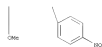
RI 262442-36-4 CAPLUS

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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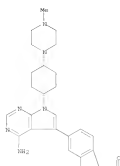


RI 262442-38-6 CAPLUS
 CH Benzanide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-3,5-dichloro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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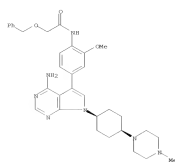
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22 262442-39-7 CAPLUS
 CH Benzanide, N-[4-{4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-(phenylmethoxy)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

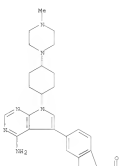


22 262442-40-0 CAPLUS
 CH Benzanide, N-[4-{4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-cyano- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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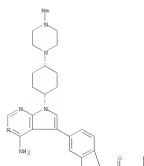


22 262442-41-1 CAPLUS
 CH Benzanide, N-[4-{4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,3-difluoro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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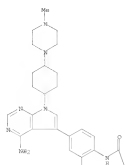


22 262442-42-2 CAPLUS
 CH 3-Pyridinocarbonylbenzanide, N-[4-{4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-6-chloro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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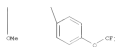
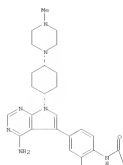
PAGE 2-A

20 262442-43-3 CAPLOS
 Cl Benzanide, N-[4-[(4-amino-7-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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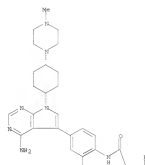
PAGE 2-A

20 262442-44-4 CAPLOS
 Cl Benzanide, N-[4-[(4-amino-7-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,4,6-trifluoro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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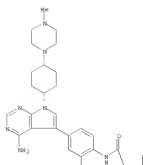
PAGE 2-A

20 262442-45-5 CAPLOS
 Cl Benzanide, N-[4-[(4-amino-7-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-chloro-4-fluoro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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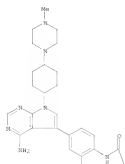
PAGE 2-A

20 262442-46-6 CAPLOS
 Cl Benzanide, N-[4-[(4-amino-7-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-(dimethylamino)- (CA INDEX NAME)

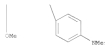
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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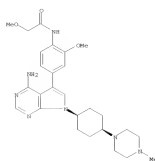
PAGE 2-A



RR 262442-47-7 CAPLUS
 CN 78-Pyrazolo[2,3-d]pyrimidin-4-amine, 7-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-
 pyrazolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-methoxy- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

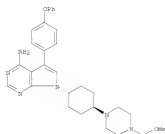


RR 262442-49-9 CAPLUS
 CN 78-Pyrazolo[2,3-d]pyrimidin-4-amine, 7-[(trans-4-[(methoxymethyl)-1-piperazinyl]cyclohexyl)-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:2)
 (CA INDEX NAME)

CN 1
 CHH 262442-48-8
 CNF C10 R16 N6 O2

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 2
 CHH 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.

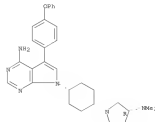


RR 262442-51-3 CAPLUS
 CN 78-Pyrazolo[2,3-d]pyrimidin-4-amine, 7-[(4-[(2S)-3-(dimethylamino)-1-pyrrolidyl]cyclohexyl)-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:2)
 (CA INDEX NAME)

CN 1
 CHH 262442-50-2
 CNF C10 R16 N6 O

Absolute stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 2
 CHH 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.

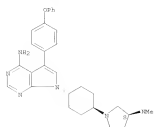


RR 262442-53-5 CAPLUS
 CN 78-Pyrazolo[2,3-d]pyrimidin-4-amine, 7-[(trans-4-[(2S)-3-(dimethylamino)-1-pyrrolidyl]cyclohexyl)-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:2)
 (CA INDEX NAME)

CN 1
 CHH 262442-52-4
 CNF C10 R16 N6 O

Absolute stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CH2 110-16-7
CH2 C4 H4 O4

Double bond geometry as shown.

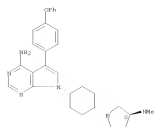


20 261442-55-7 CAPLUS
CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(cis-6-[(1R)-3-(dimethylamino)-1-pyrrolidinyl]cyclohexyl)-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:2)]
(CA INDEX NAME)

CH 1
CH2 261442-56-6
CH2 C10 H16 N6 O2

Absolute stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CH2 110-16-7
CH2 C4 H4 O4

Double bond geometry as shown.

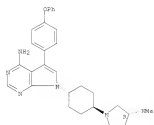


20 261442-57-9 CAPLUS
CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(trans-6-[(1R)-3-(dimethylamino)-1-pyrrolidinyl]cyclohexyl)-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:2)]
(CA INDEX NAME)

CH 1
CH2 261442-56-6
CH2 C10 H16 N6 O2

Absolute stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CH2 110-16-7
CH2 C4 H4 O4

Double bond geometry as shown.

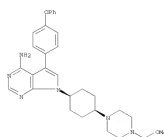


20 261442-59-1 CAPLUS
CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(cis-6-[(4-methoxymethyl)-1-piperidinyl]cyclohexyl)-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:2)]
(CA INDEX NAME)

CH 1
CH2 261442-59-0
CH2 C10 H16 N6 O2

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CH2 110-16-7
CH2 C4 H4 O4

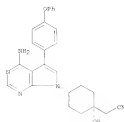
Double bond geometry as shown.



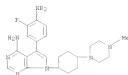
20 261442-60-4 CAPLUS
CH Cyclohexanecarboxonitrile, 6-[(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)-1-hydroxy-, cis- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



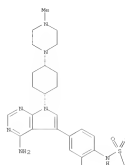
HN 262442-63-5 CAPLUS
 CN 7b: Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-amino-3-fluorophenyl]-7-[4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)



HN 262442-62-6 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7b-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-fluoro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



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HN 262442-63-7 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7b-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-fluoro-, (2S)-2-butenedioate (113) (CA INDEX NAME)

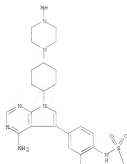
CN 1

CN 262442-62-6
 CNF C29 R33 F2 N7 O2 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)

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CN 2

CN 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.



HN 262442-63-9 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7b-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-fluoro-, (2S)-2-butenedioate (113) (CA INDEX NAME)

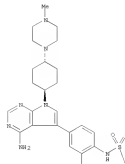
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)

CN 1

CN 262442-64-8
 CNF C29 R33 F2 N7 O2 S

Relative stereochemistry.

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CN 2

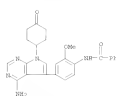
CN 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 262442-78-4 CAPLUS
 CH Benamide,
 N-[4-(4-amino-7-[3,4-dihydro-2H-pyridin-5-yl]-2-methoxyphenyl)]- (CA INDEX NAME)



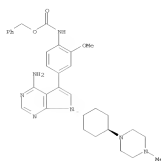
HN 262442-80-8 CAPLUS
 CH Gubaneic acid,
 [4-(4-amino-7-[trans-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-, phenylmethyl ester,
 (2S)-2-butenedioate (1:3) (9CI) (CA INDEX NAME)

CH 1

CHN 262442-79-5
 CNF C32 R39 RT 03

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2

CHN 110-16-7
 CNF C4 R4 04

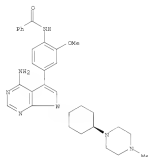
Double bond geometry as shown.



HN 262442-81-9 CAPLUS
 CH Benamide,
 N-[4-(4-amino-7-[trans-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 262442-83-1 CAPLUS
 CH Benzenesulfonamide, N-[4-(4-amino-7-[trans-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl)-2-(trifluoromethoxy)]-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

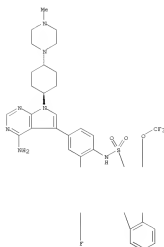
CH 1

CHN 262442-82-0
 CNF C30 R33 P4 RT 03 8

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHN 110-16-7
 CNF C4 R4 04

Double bond geometry as shown.



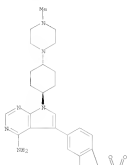
HN 262442-85-3 CAPLUS
 CH 2-Thiophenecarboxamide, N-[4-(4-amino-7-[trans-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl)-5-chloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

CN 1

CHN 262442-86-2
 CHF C37 R13 C1 F N7 O2 S2

Relative stereochemistry.



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CN 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



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CN 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



20 262442-91-1 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrazolo[2,3-b]pyrimidin-5-yl]-2-fluorophenyl]-2,3-dichloro-, (2S)-2-butenedioate (1:1) (CA INDEX NMS)

CN 1

CHN 262442-95-0
 CHF C39 R12 C12 F N7 O2 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



20

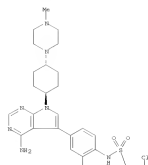
262442-89-4 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrazolo[2,3-b]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-4-fluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NMS)

CN 1

CHN 262442-87-5
 CHF C39 R12 C1 F2 N7 O2 S

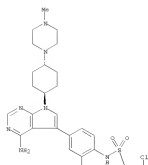
Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

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CN 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



20 262442-93-3 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrazolo[2,3-b]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-4-fluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NMS)

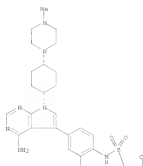
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

CN 1

CHN 262442-92-2
 CMF C29 H32 O3 F2 N7 O2 S

Relative stereochemistry.

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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

CN 1

CHN 262442-92-2
 CMF C29 H32 O3 F2 N7 O2 S

Relative stereochemistry.

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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



20 262442-97-7 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4-difluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CHN 262442-96-6
 CMF C29 H32 F7 N7 O2 S

Relative stereochemistry.

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CN 2

CHN 110-16-7
 CMF C4 H4 O4

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



CN 262442-95-5 CAPLUS

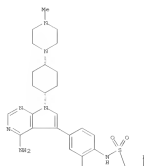
CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4-difluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CHN 262442-96-6
 CMF C29 H32 F7 N7 O2 S

Relative stereochemistry.

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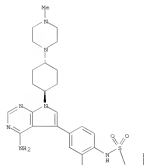
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

CN 1

CHN 262442-92-2
 CMF C29 H32 O3 F2 N7 O2 S

Relative stereochemistry.

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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



CN 262443-50-5 CAPLUS

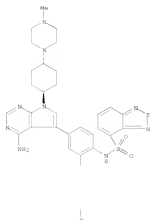
CH 2,1,7-Benzenethiadiazole-4-sulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 (2S)-2-butenedioate (1:3) [CA INDEX NAME]

CH 1

CHN 262442-99-9
 CMF C19 H32 F H9 O2 S2

Relative stereochemistry.



CH 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



30 262443-05-0 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[[cis-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-nitro-, (2S)-2-butenedioate (1:3) [CA INDEX NAME]

CH 1

CHN 262443-04-9
 CMF C19 H33 F H9 O4 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



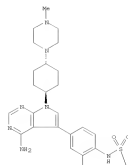
30 262443-03-0 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[[trans-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,3,4-trifluoro-, (2S)-2-butenedioate (1:3) [CA INDEX NAME]

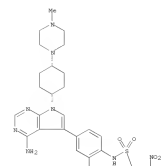
CH 1

CHN 262443-02-7
 CMF C19 H31 F4 H7 O2 S

Relative stereochemistry.



15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



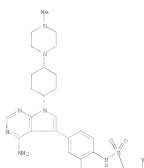
30 262443-01-2 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[[cis-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-fluoro-, (2S)-2-butenedioate (1:3) [CA INDEX NAME]

15 ANMEER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

CN 1

CHN 262443-06-7
 CHW C29 H33 F2 N7 O2 S

Relative stereochemistry.



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CN 2

CHN 110-16-7
 CHW C4 H4 O4

Double bond geometry as shown.



PAGE 2-A

CN 2

CHN 110-16-7
 CHW C4 H4 O4

Double bond geometry as shown.



20 262443-11-8 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrazolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4,6-trichloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CHN 262443-10-7
 CHW C29 H33 Cl2 F N7 O2 S

Relative stereochemistry.

15 ANMEER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)



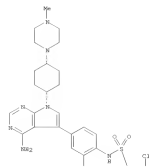
20 262443-09-4 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrazolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4,6-trichloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CHN 262443-08-3
 CHW C29 H33 Cl3 F N7 O2 S

Relative stereochemistry.

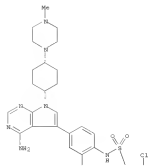
PAGE 2-A



15 ANMEER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)



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CN 2

CHN 110-16-7
 CHW C4 H4 O4

Double bond geometry as shown.



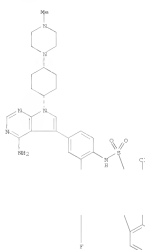
20 262443-13-0 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrazolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

CN 1

CHN 262443-12-9
 CNF C19 R13 C1 F N7 Q2 B

Relative stereochemistry.



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CN 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



PAGE 2-A

CN 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



20 262443-17-4 CAPLUS
 CN 2-Fluorophenylamides, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-chloro-, (2E)-2-butenesulfonate (1:2) (CA INDEX NAME)

CN 1

CHN 262443-16-7
 CNF C27 R13 C1 F N7 Q2 B2

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



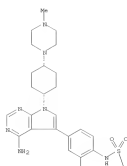
20 262443-15-2 CAPLUS
 CN Benzimidazoleamides, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-fluoro-, (2E)-2-butenesulfonate (1:2) (CA INDEX NAME)

CN 1

CHN 262443-14-1
 CNF C29 R13 F2 N7 Q2 B

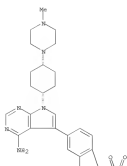
Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

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CN 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



20 262443-19-4 CAPLUS
 CN Benzimidazoleamides, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-bromo-2,5-difluoro-, (2E)-2-butenesulfonate (1:3) (CA INDEX NAME)

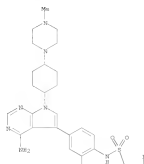
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

CH 1

CHH 262443-18-5

CHF C29 H31 Br F3 N7 O2 S

Relative stereochemistry.



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CH 2

CHH 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.



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CH 2

CHH 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.



RR 262443-23-2 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-]

piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-bromo-, [(2S)-2-bromesulfonate (1:1)] (CA, TRIS, NMK)

CH 3

CHH 262443-22-1

CHF C19 H37 F3 N7 O2 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)



RR 262443-21-0 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-]

piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-4-fluoro-, [(2S)-2-bromesulfonate (1:1)] (CA, TRIS, NMK)

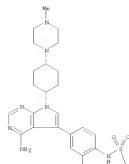
CH 1

CHH 262443-20-9

CHF C19 H32 Cl F2 N7 O2 S

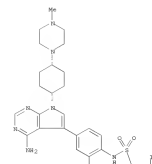
Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

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CH 2

CHH 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.



RR 262443-25-4 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-]

piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-(trifluoromethyl)-, [(2S)-2-bromesulfonate (1:1)] (CA, TRIS, NMK)

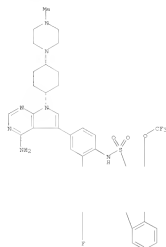
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

CN 1

CHN 262443-26-3
 CMT C29 H33 F4 N7 O2 S

Relative stereochemistry.

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CN 2

CHN 110-16-7
 CMT C4 H4 O4

Double bond geometry as shown.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



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CN 2

CHN 110-16-7
 CMT C4 H4 O4

Double bond geometry as shown.



20 262443-29-8 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-6-methyl-, (2S)-2-butenesulfonate (1:3) (CA INDEX NAME)

CN 1

CHN 262443-29-7
 CMT C30 H35 Cl1 F N7 O2 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



20 262443-27-6 CAPLUS

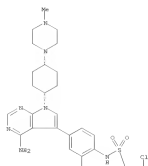
CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,3-dichloro-, (2S)-2-butenesulfonate (1:3) (CA INDEX NAME)

CN 1

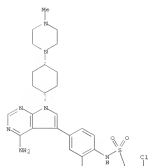
CHN 262443-26-5
 CMT C29 H32 Cl2 F N7 O2 S

Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



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CN 2

CHN 110-16-7
 CMT C4 H4 O4

Double bond geometry as shown.



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20 262443-31-2 CAPLUS

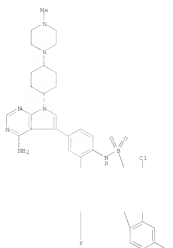
CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-4-cyano-, (2S)-2-butenesulfonate (1:3) (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

CN 1

CHN 262443-36-1
 CNF C29 H31 C1 F N9 O2 S

Relative stereochemistry.



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CN 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



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CN 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



BN 262443-37-8 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-6-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3,4-difluoro-, (2E)-2-butenesulfonate (1:1) (CA INDEX NAME)

CN 1

CHN 262443-36-7
 CNF C29 H31 F2 N7 O2 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



BN 262443-34-5 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-6-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3,4-trifluoro-, (2E)-2-butenesulfonate (1:1) (CA INDEX NAME)

CN 1

CHN 262443-33-4
 CNF C29 H31 F4 N7 O2 S

Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

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CN 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



BN 262443-40-3 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-6-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-

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15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)
bromo-2-fluoro-, (2S)-2-butenedioate (113) (CA INDEX NAME)

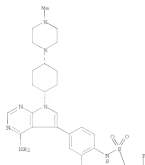
CH 1

CHN 262443-39-0

CHF C19 R32 R4 F2 N7 O2 S

Relative stereochemistry.

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CH 2

CHN 110-16-7

CHF C4 R4 O4

Double bond geometry as shown.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)

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CH 2

CHN 110-16-7

CHF C4 R4 O4

Double bond geometry as shown.



22 262443-44-7 CAPLOS
CH Benzenesulfonamide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4-dichloro-, (2S)-2-butenedioate (113) (CA INDEX NAME)

CH 1

CHN 262443-43-6

CHF C29 R32 C12 F N7 O2 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)



22 262443-42-5 CAPLOS

CH 2-Thiophenecarboxamide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-bromo-, (2S)-2-butenedioate (113) (CA INDEX NAME)

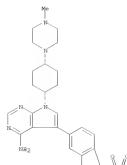
CH 1

CHN 262443-41-4

CHF C27 R31 R4 F N7 O2 S2

Relative stereochemistry.

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CH 2

CHN 110-16-7

CHF C4 R4 O4

Double bond geometry as shown.



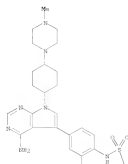
22 262443-47-0 CAPLOS
CH Benzenesulfonamide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,3,4-trichloro-, (2S)-2-butenedioate (113) (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 1

CHN 262443-46-9
CHP C19 H31 Cl3 F N7 O2 S

Relative stereochemistry.



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CH 2

CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 2

CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.



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CH 2

CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.



HN 262443-51-6 CAPLUS
CH 2,1,3-Benzothiadiazole-4-sulfonamide, N-[4-[4-amino-7-[cis-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-chlorophenyl], (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1

CHN 262443-50-5
CHP C19 H32 F N9 O2 S2

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



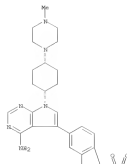
HN 262443-49-2 CAPLUS
CH 2-Thiophenemethanesulfonamide, N-[4-[4-amino-7-[cis-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-chlorophenyl]-3-bromo-5-chloro, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1

CHN 262443-48-1
CHP C17 H20 Br Cl F N7 O2 S2

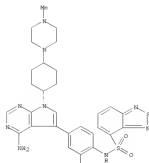
Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.



HN 262443-52-8 CAPLUS
CH 2,1,3-Benzothiadiazole-4-sulfonamide, N-[4-[4-amino-7-[cis-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-chlorophenyl], (2S)-2-butenedioate (1:1) (CA INDEX NAME)

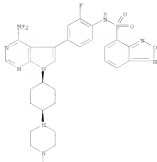
CH 1

CHN 262443-52-7

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)
 CNF C29 R32 F R9 O2 S

Relative stereochemistry.

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CN 2
 CHN 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.



RN 262443-55-0 CAPLUS
 CN 2,1,3-Benzoxadiazole-4-sulfonamide, N-[4-[4-amino-7-[(4-methyl-1-

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)
 CHN 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.

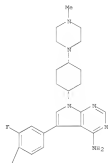


RN 262443-57-2 CAPLUS
 CN 2,1,3-Benzoxadiazole-4-sulfonamide, N-[4-[4-amino-7-[(4-methyl-1-piperidin-4-ylideneamino)pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-7-methyl-1H-pyrazol-5-yl]-2-butenesulfonamide (113) (CA INDEX NAME)

CN 1
 CHN 262443-56-1
 CNF C30 R34 F R9 O2 S2

Relative stereochemistry.

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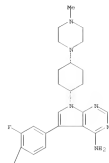


15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-7-chloro-, (2S)-2-butenesulfonate (113) (CA INDEX NAME)

CN 1
 CHN 262443-54-9
 CNF C29 R31 C5 F R9 O2 S

Relative stereochemistry.

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CN 2

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

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CN 2
 CHN 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.



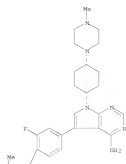
RN 262443-59-4 CAPLUS
 CN 2,1,3-Benzoxadiazole-4-sulfonamide, N-[4-[4-amino-7-[(4-methyl-1-piperidin-4-ylideneamino)pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-methyl-1H-pyrazol-5-yl]-2-butenesulfonamide (113) (CA INDEX NAME)

CN 1
 CHN 262443-58-3
 CNF C30 R34 F R9 O2 S2

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
 CHN 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.

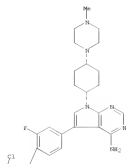
15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



HN 262443-61-8 CAPLOS
 CH 2,1,3-Benzothiadiazole-4-sulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-chloro-, [(2S)-2-butenedioate (1:1)] (CA 33065 3996)

CH 1
 CHN 262443-60-7
 CNF C39 R31 C1 F N9 O2 S2

Relative stereochemistry.



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15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
 CHN 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.



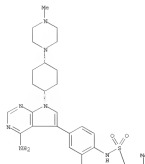
HN 262443-61-8 CAPLOS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-chloro-2-methyl-, [(2S)-2-butenedioate (1:1)] (CA 33065 3996)

CH 1
 CHN 262443-62-9
 CNF C39 R35 C1 F N7 O2 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
 CHN 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.



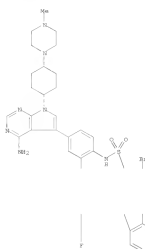
HN 262443-61-8 CAPLOS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-chloro-2-methyl-, [(2S)-2-butenedioate (1:1)] (CA 33065 3996)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

CN 1

CHN 262443-66-1
 CHF C29 R53 R6 F N7 O2 S

Relative stereochemistry.



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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)



BN 262443-67-4 CAPLUS

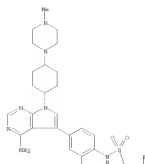
CN Benzenesulfonamide, N-[4-[4-amino-7-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,5-dithieno-1,4-difluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CHN 262443-66-3
 CHF C29 R50 R62 F3 N7 O2 S

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

CN 2

CHN 110-16-7
 CHF C4 R4 O4

Double bond geometry as shown.



15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)



PAGE 2-A

CN 2

CHN 110-16-7
 CHF C4 R4 O4

Double bond geometry as shown.



BN 262443-69-6 CAPLUS

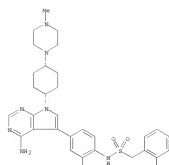
CN Benzenesulfonamide, N-[4-[4-amino-7-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-nitro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CHN 262443-68-5
 CHF C30 R55 F N8 O4 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)



PAGE 1-A



PAGE 2-A

CN 2

CHN 110-16-7
 CHF C4 R4 O4

Double bond geometry as shown.

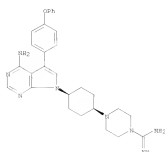


BN 262443-70-9 CAPLUS

CN 1-(2-piperidinylmethyl)-2,3-dihydro-4-[4-amino-5-(4-phenoxypentyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl- (CA INDEX NAME)

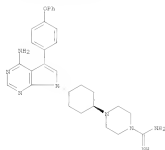
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



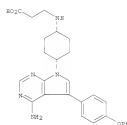
HN 262443-73-0 CAPLUS
 CN 3-piperazinecarboximidamide, 4-[trans-4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

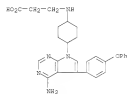


HN 262443-73-2 CAPLUS

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 262443-75-4 CAPLUS
 CN 3-piperazinecarboximidamide, 4-[trans-4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]- (CA INDEX NAME)



HN 262443-76-5 CAPLUS
 CN 3-piperazinecarboximidamide, 4-[trans-4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-, ethyl ester, (2S)-2-butenedioate (1:1) (PCL) (CA INDEX NAME)

CN 2

CHN 262443-76-5
 CNF C29 R33 R5 O3

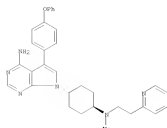
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[trans-4-[methylyl]-2-(2-pyridinylethyl)amino]cyclohexyl]-5-(4-phenoxypheyl)-, (2S)-2-butenedioate (1:1:3) (CA INDEX NAME)

CN 1

CHN 262443-72-1
 CNF C32 R34 R6 O

Relative stereochemistry.



CN 2

CHN 110-16-7
 CNF C4 R6 O4

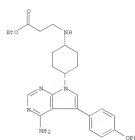
Double bond geometry as shown.



HN 262443-74-3 CAPLUS
 CN 3-piperazinecarboximidamide, 4-[trans-4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CHN 110-16-7
 CNF C4 R6 O4

Double bond geometry as shown.

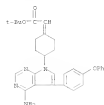


HN 262443-78-7 CAPLUS
 CN Acetonitrile, [4-(4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexylidene)- (PCL) (CA INDEX NAME)

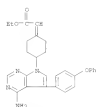


HN 262443-79-8 CAPLUS

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN Acetic acid,
 [4-[(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexylidene]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

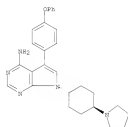


RN 262443-88-1 CAPLUS
 CN Acetic acid,
 [4-[(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexylidene]-, ethyl ester (9CI) (CA INDEX NAME)



RN 262443-82-3 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[[4-(2-methoxy)cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

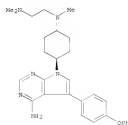


RN 262443-86-7 CAPLUS
 CN 3,3'-Bis(benzamidine),
 N-[trans-4-[(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]-N,N'-bis(trimethyl-), (2E)-2-butenesulfonate (12) (9CI) (CA INDEX NAME)

CN 1

CN 262443-85-6
 CN C2B B2B NO O

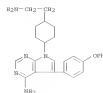
Relative stereochemistry.



CN 2

CN 11D-16-7
 CN C4 R4 O4

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 262443-83-4 CAPLUS
 CN Cyclohexanecarboxylic acid, 4-[(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)- (CA INDEX NAME)



RN 262443-84-5 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-(4-phenoxyphenyl)-7-[[trans-4-[(1-pyrrolidinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

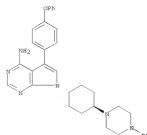
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Double bond geometry as shown.



RN 262443-87-8 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[[trans-4-[(4-ethyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)

Relative stereochemistry.



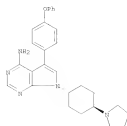
RN 262443-88-9 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-(4-phenoxyphenyl)-7-[[trans-4-[(1-pyrrolidinyl)cyclohexyl]-, (2E)-2-butenesulfonate (12) (CA INDEX NAME)

CN 1

CN 262443-84-5
 CN C2B B2B NO O

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



CN 2

CIN 110-16-7

CMF C4 H6 O4

Double bond geometry as shown.



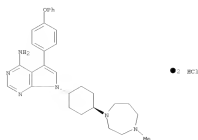
262 262443-93-3 CAPLUS

CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-(benzohydro-4-methyl-3H-1,4-diazepin-1-yl)cyclohexyl]-5-(4-phenoxyphenyl)-, dihydrochloride (9CI)

(CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



262 262443-93-4 CAPLUS

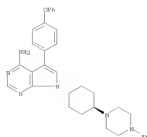
CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-(4-ethyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxyphenyl)-, (2S)-2-Butenedioate (13Z) (CA INDEX NAME)

CN 1

CIN 262443-87-0

CMF C30 H34 N6 O

Relative stereochemistry.



15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)

CN 2

CIN 110-16-7

CMF C4 H6 O4

Double bond geometry as shown.



262 262443-95-8 CAPLUS

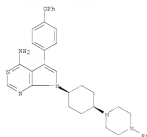
CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-4-(4-ethyl-3-piperazinyl)cyclohexyl]-5-(4-phenoxyphenyl)-, (2S)-2-Butenedioate (13Z) (CA INDEX NAME)

CN 1

CIN 262441-73-8

CMF C30 H32 N6 O

Relative stereochemistry.



CN 2

CIN 110-16-7

CMF C4 H6 O4

Double bond geometry as shown.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on 27th (Continued)



262 262443-98-1 CAPLUS

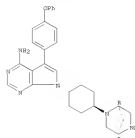
CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-(1R,4R)-2,5-diazabicyclo[2.2.1]hept-2-yl)cyclohexyl]-3-(4-phenoxyphenyl)-, rel-, (2S)-2-Butenedioate (13Z) (9CI) (CA INDEX NAME)

CN 1

CIN 262443-97-0

CMF C30 H32 N6 O

Relative stereochemistry.



CN 2

CIN 110-16-7

CMF C4 H6 O4

Double bond geometry as shown.



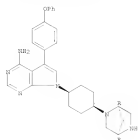
262 262444-00-8 CAPLUS

CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-4-(1R,4R)-2,5-diazabicyclo[2.2.1]hept-2-yl)cyclohexyl]-3-(4-phenoxyphenyl)-, rel-, (2S)-2-Butenedioate (11Z) (9CI) (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)
CN 1

CHN 262443-99-2
CMF C33 H33 N5 O

Relative stereochemistry.



CHN 2
CHN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.

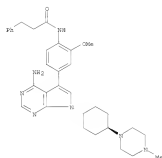


HN 262444-01-9 CAPLOS
CN Benzenepropanamide, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, [(2S)-2-butenedioate (1:1)] (CA INDEX NAME)

CN 1

CHN 262442-22-9
CMF C33 H43 N7 O2

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



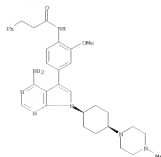
HN 262444-03-1 CAPLOS
CN Benzenepropanamide, N-[4-[4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, [(2S)-2-butenedioate (1:1)] (CA INDEX NAME)

CN 1

CHN 262444-01-9
CMF C33 H43 N7 O2

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)
Relative stereochemistry.



CN 2
CHN 110-16-7
CMF C4 H4 O4

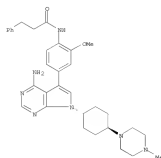
Double bond geometry as shown.



HN 262444-02-0 CAPLOS
CN Benzenepropanamide, N-[4-[4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CN 2
CHN 110-16-7
CMF C4 H4 O4

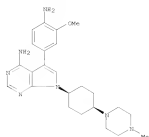
Double bond geometry as shown.



HN 262444-03-3 CAPLOS
CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-(4-amino-3-methoxyphenyl)-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl)- (CA INDEX NAME)

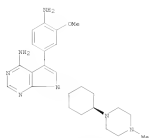
Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)



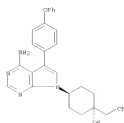
320 262444-06-4 CAPLOS
 CH 7b-Pyrrolo[2,3-d]pyrimidin-4-amine,
 5-[4-amino-1-methoxyphenyl]-5-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.



320 262444-07-3 CAPLOS
 CH Cytoloxanacetoneoxiriline, 4-[4-amino-5-(4-phenoxypiperazinyl)-7b-pyrrolo[2,3-d]pyrimidin-7-yl]-1-hydroxy-, trans- (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)



320 262444-08-8 CAPLOS
 CH Cytoloxan acid,
 [4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7b-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl-, phenylmethyl ester,
 (2S)-2-butenedioate (1:3) (PC1) (CA INDEX NAME)

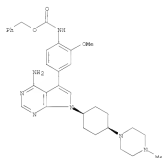
CH 1

CHN 262444-67-7

CHP C32 H59 N7 O3

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)



CH 2

CHN 110-16-7

CHP C4 H4 O4

Double bond geometry as shown.



320 262444-69-9 CAPLOS
 CH Benzinolide,
 N-[4-(4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7b-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, (2S)-2-butenedioate
 (1:3) (CA INDEX NAME)

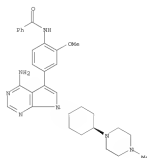
CH 1

CHN 262444-91-9

CHP C31 H37 N7 O2

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on SYN (Continued)



CH 2

CHN 110-16-7

CHP C4 H4 O4

Double bond geometry as shown.



320 262444-71-3 CAPLOS
 Benzonitrile, 2-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7b-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]-4-[[3-methoxypropyl]amino]-,
 (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1

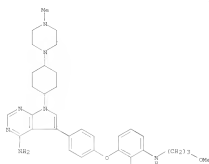
CHN 262444-70-2

CHP C34 H42 N9 O2

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



331 262444-73-5 CAPLUS
 CH Benzonitrile,
 2-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-
 7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenoxy]-6-[(3-methoxypropyl)amino]-,
 (2S)-2-butenedionate (1:3) (CA 37088 NMR)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

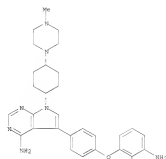


331 262444-73-5 CAPLUS
 CH Benzonitrile,
 2-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-
 7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenoxy]-6-[(3-methoxypropyl)amino]-,
 (2S)-2-butenedionate (1:3) (CA 37088 NMR)

CH 1
 CHN 262444-74-6
 CNF C30 H34 N8 O

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

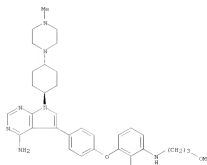
CH 2
 CHN 110-16-7
 CNF C4 H4 O4

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 1
 CHN 262444-72-4
 CNF C34 H42 N8 O2

Relative stereochemistry.

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PAGE 2-A

CH 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

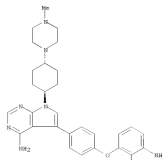


331 262444-73-5 CAPLUS
 CH Benzonitrile,
 2-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-
 7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenoxy]-6-[(3-methoxypropyl)amino]-,
 (2S)-2-butenedionate (1:3) (CA 37088 NMR)

CH 1
 CHN 262444-76-8
 CNF C30 H34 N8 O

Relative stereochemistry.

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PAGE 2-A

CH 2

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.

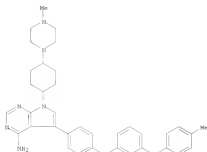


RII 262444-79-5 CAPLUS
 CH Benzonitrile, 2-[4-[4-amino-7-(cyclo-4-[4-methyl-1-piperazinyl]cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]-6-[4-methylphenyl]thio-, (2S)-2-butenedionate (1:3) (CA INDEX NAME)

CHN 3

CHN 262444-79-5
 CNF C37 H39 N7 O 8

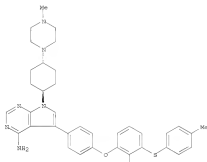
Relative stereochemistry.



PAGE 1-A

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

PAGE 1-A



CHN 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



RII 262444-81-5 CAPLUS
 CH Benzonitrile, 2-[4-[4-amino-7-(cyclo-4-[4-methyl-1-piperazinyl]cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]-6-[2-pyridinylthio]-, (2S)-2-butenedionate (1:3) (CA INDEX NAME)

CHN 3

CHN 262444-81-5
 CNF C35 H34 N7 O 8

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

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CHN 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



RII 262444-81-5 CAPLUS
 CH Benzonitrile, 2-[4-[4-amino-7-(cyclo-4-[4-methyl-1-piperazinyl]cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]-6-[4-methylphenyl]thio-, (2S)-2-butenedionate (1:3) (CA INDEX NAME)

CHN 1

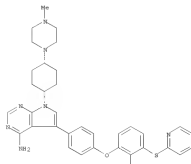
CHN 262444-80-4
 CNF C37 H39 N7 O 8

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

Relative stereochemistry.

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CHN 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



RII 262444-85-9 CAPLUS
 CH Benzonitrile, 2-[4-[4-amino-7-(cyclo-4-[4-methyl-1-piperazinyl]cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]-6-[2-pyridinylthio]-, (2S)-2-butenedionate (1:3) (CA INDEX NAME)

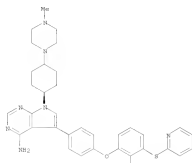
CHN 1

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

CHN 262444-84-8
 CMF C12 H15 N3 O 2

Relative stereochemistry.

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CHN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



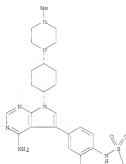
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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

CHN 262444-88-2
 CMF C29 H32 F3 N7 O2 S

Relative stereochemistry.

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CHN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.

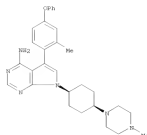


15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

CHN 262444-87-1 CAPLUS
 CHN 78-Pyrrolo[2,3-d]pyrimidin-4-amine,
 5-[2-methyl-4-phenoxypheyl]-7-[4-4-
 (4-methyl-1-piperazinyl)cyclohexyl]-, (2S)-2-butenediolate (1:3) (CA
 INDEX NAME)

CHN 1
 CHN 262444-86-0
 CMF C70 H54 N8 O

Relative stereochemistry.



CHN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



CHN 262444-89-3 CAPLUS

CHN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-
 piperazinyl)cyclohexyl]-78-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-
 2,5-difluoro-, (2S)-2-butenediolate (1:3) (CA INDEX NAME)

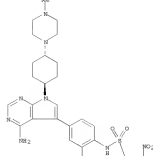
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

CHN 262444-91-7 CAPLUS
 CHN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-
 piperazinyl)cyclohexyl]-78-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-
 nitro-, (2S)-2-butenediolate (1:3) (CA INDEX NAME)

CHN 1
 CHN 262444-90-6
 CMF C29 H33 F 3 N8 O4 S

Relative stereochemistry.

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CHN 2

CHN 110-16-7
 CMF C4 H4 O4

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)
Double bond geometry as shown.



RII 262444-91-2 CAPLOS
CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyridin-5-yl]-2-fluorophenyl]-2-fluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

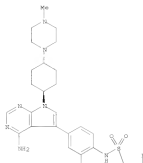
CN 1

CHI 262444-92-0

CHF C29 R37 R2 NT O2 S

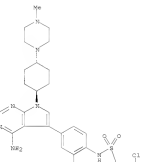
Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CHI 110-16-7

CHF C4 R4 O4

Double bond geometry as shown.



RII 262444-91-3 CAPLOS
CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4-dichloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CHI 110-16-7

CHF C4 R4 O4

Double bond geometry as shown.



RII 262444-93-1 CAPLOS
CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyridin-5-yl]-2-fluorophenyl]-2,4,6-trichloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CHI 262444-94-0

CHF C29 R31 C13 F NT O2 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

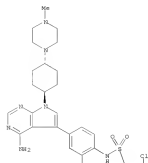
CN 1

CHI 262444-96-2

CHF C29 R35 C13 F NT O2 S

Relative stereochemistry.

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CN 2

CHI 110-16-7

CHF C4 R4 O4

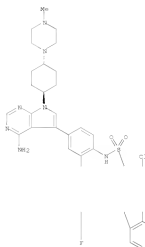
Double bond geometry as shown.



15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RD 262444-99-3 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)
 CN 1
 CHN 262444-98-4
 CHF C29 H37 Cl F N7 O2 S

Relative stereochemistry.



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CN 2

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RD 262445-03-4 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-bromo-2,5-difluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)
 CN 1
 CHN 262445-02-3
 CHF C29 H37 Br F3 N7 O2 S

Double bond geometry as shown.



RD 262445-03-4 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-bromo-2,5-difluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)
 CN 1
 CHN 262445-02-3
 CHF C29 H37 Br F3 N7 O2 S

Relative stereochemistry.

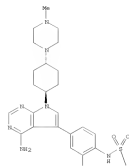


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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

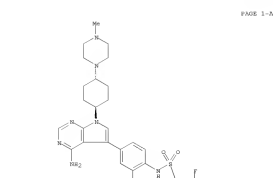
RD 262445-01-2 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-fluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)
 CN 1
 CHN 262445-00-1
 CHF C29 H37 F2 N7 O2 S

Relative stereochemistry.



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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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RD 262445-05-4 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-fluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)
 CN 1
 CHN 262445-04-3
 CHF C29 H37 F2 N7 O2 S

Double bond geometry as shown.



RD 262445-05-4 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-fluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)
 CN 1
 CHN 262445-04-3
 CHF C29 H37 F2 N7 O2 S

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

chloro-4-fluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

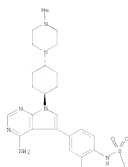
CH 1

CHN 262445-04-5

CMF C29 K32 C1 F2 N7 O2 S

Relative stereochemistry.

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CH 2

CHN 110-36-7

CMF C4 H4 O4

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)



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CH 2

CHN 110-36-7

CMF C4 H4 O4

Double bond geometry as shown.



20 262445-09-0 CAPLUS
CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-6-methyl-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1

CHN 262445-09-9

CMF C30 H35 C1 F N7 O2 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

Double bond geometry as shown.



20 262445-07-8 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

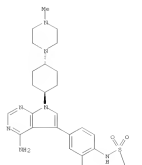
CH 1

CHN 262445-06-7

CMF C29 K33 F 1 N7 O2 S

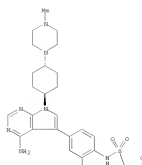
Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)



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CH 2

CHN 110-36-7

CMF C4 H4 O4

Double bond geometry as shown.



20 262445-11-4 CAPLUS

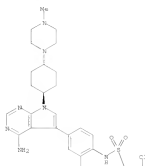
CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-4-cyano-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

CN 1

CHN 262445-10-9
 CHF C29 H32 C3 F N7 O2 S

Relative stereochemistry.



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CN 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



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CN 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



BN 262445-15-8 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-bromo-2-fluorophenyl, (2S)-2-benzenesulfonate (1:1) (CA INDEX NAME)

CN 1

CHN 262445-14-7
 CHF C29 H32 Br F2 N7 O2 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



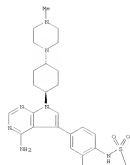
BN 262445-13-4 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3,4-difluorophenyl, (2S)-2-benzenesulfonate (1:1) (CA INDEX NAME)

CN 1

CHN 262445-12-5
 CHF C29 H32 F3 N7 O2 S

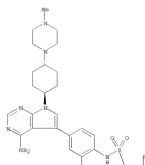
Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

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CN 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



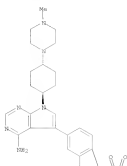
BN 262445-17-0 CAPLUS
 CN 2-Thiophenemethanimine, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-bromo-, (2S)-2-benzenesulfonate (1:1) (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CHN 262445-16-9
 CMF C17 R12 R1 F N7 Q2 S2

Relative stereochemistry.



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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



20 262445-21-6 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,3,4-trichloro-, (2S)-2-butenedioate (1:3) (CA 39086 NMS)

CN 1

CHN 262445-20-5
 CMF C19 R12 C13 F N7 Q2 S

Relative stereochemistry.



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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



20 262445-19-2 CAPLUS

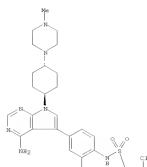
CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4-dichloro-, (2S)-2-butenedioate (1:3) (CA 39086 NMS)

CN 1

CHN 262445-18-1
 CMF C19 R12 C13 F N7 Q2 S

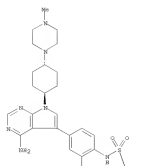
Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



20 262445-23-8 CAPLUS

CN 2-Thiophenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

bromo-3-chloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

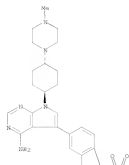
CH 1

CHN 262445-22-7

CMF C27 H30 Br Cl F N7 O2 S2

Relative stereochemistry.

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CH 2

CHN 110-16-7

CMF C4 H4 O4

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

CH 2

CHN 110-16-7

CMF C4 H4 O4

Double bond geometry as shown.



20 262445-27-2 CAPLUS

CH

2,1,7-Benzodiazole-4-sulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-7-chloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

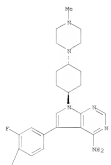
CH 1

CHN 262445-26-1

CMF C29 H33 Cl F N9 O3 S

Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

Double bond geometry as shown.



20 262445-25-0 CAPLUS

CH

2,1,7-Benzodiazole-4-sulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

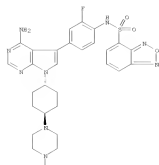
CH 1

CHN 262445-24-9

CMF C29 H32 F N9 O3 S

Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on SYN (Continued)

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CH 2

CHN 110-16-7

CMF C4 H4 O4

Double bond geometry as shown.



20 262445-29-4 CAPLUS

CH

2,1,7-Benzodiazole-4-sulfonamide,

N-[4-[4-amino-7-[trans-4-(4-methyl-1-

piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-7-

methyl-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1

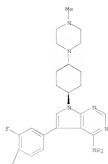
CHN 262445-28-3

CMF C30 H34 F N9 O2 S2

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



HN 262445-33-0 CAPLUS
 CH 2,3,7-Benzothiadiazole-4-sulfonamide,
 N-[4-[4-amino-7-[trans-4-(4-methyl-1-
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-
 methyl-, (2E)-2-isotenediolate (1:1) (CA INDEX NAME)

CH 1
 CHN 262445-33-0
 CNF C19 H31 Cl F H9 O2 S2

Relative stereochemistry.

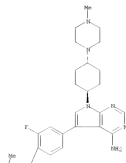
15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 262445-33-0 CAPLUS
 CH 2,3,7-Benzothiadiazole-4-sulfonamide,
 N-[4-[4-amino-7-[trans-4-(4-methyl-1-
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-
 methyl-, (2E)-2-isotenediolate (1:1) (CA INDEX NAME)

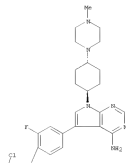
Relative stereochemistry.

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15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



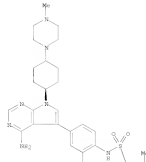
HN 262445-33-0 CAPLUS
 CH BenzeneSulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-
 methyl-, (2E)-2-isotenediolate (1:1) (CA INDEX NAME)

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-
 chloro-2-methyl-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 3
 CHN 262445-34-1
 CHF C10 R15 C1 F N7 O2 S

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

CH 2
 CHN 110-36-7
 CHF C4 H4 O4

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



PAGE 2-A

CH 2
 CHN 110-36-7
 CHF C4 H4 O4

Double bond geometry as shown.



20 262445-39-5 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-
 bromo-3,6-difluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1
 CHN 262445-39-5
 CHF C19 R17 R2 F3 N7 O2 S

Relative stereochemistry.

15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 Double bond geometry as shown.

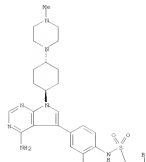


20 262445-37-4 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-
 bromo-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

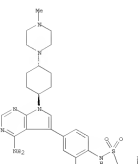
CH 1
 CHN 262445-76-7
 CHF C19 R17 R2 F3 N7 O2 S

Relative stereochemistry.

PAGE 1-A



15 ANSWER 9 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



PAGE 1-A



PAGE 2-A

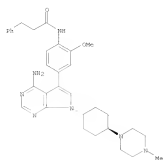
CH 2
 CHN 110-36-7
 CHF C4 H4 O4

Double bond geometry as shown.



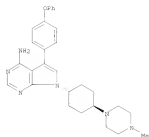
20 262445-41-0 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-
 bromo-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

15 ANSWER 10 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



20 364042-47-7 CAPLUS
 C01 7b-Pyrazolo[3,4-d]pyrimidin-6-amine, 7-[(trans-4-(4-methyl-3-piperazinyl)cyclohexyl)-5-(4-phenoxypheyl)]- (CA INDEX NAME)

Relative stereochemistry.



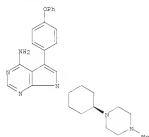
A6 The present invention relates to polypeptides which comprises the ligand binding domain of Lck, crystalline forms of these polypeptides, and the use of

15 ANSWER 10 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 these crystal forms to del. the 3-dimensional structure of the catalytic domain of Lck. The invention also relates to the use of the 3-dimensional structure of the Lck catalytic domain both alone, or in complex with inhibitors, in methods of designing and/or identifying potential inhibitors of Lck activity, for example, compounds which inhibit the binding of a native substrate to the Lck catalytic domain. The invention also relates to the use of the 3-dimensional structure of the Lck catalytic domain both alone, or in complex with inhibitors, in methods of designing and/or identifying potential selective inhibitors of Lck activity, for example, compounds which inhibit the binding of a native substrate to the Lck catalytic domain selectively.

15 ANSWER 11 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 20221407945 CAPLUS
 DOCUMENT NUMBER: 13849367
 TITLE: Pyrazolo[3,4-d]pyrimidines containing an extended 3-substituent as potent inhibitors of Lck - a selectivity insight
 AUTHOR(S): Burohoy, Andrew F.; Calderwood, David J.; Friedman, Michael M.; Hirst, Gavin C.; Li, Binyu Rafferty, Paul; Rietter, Boris; Rimmer, Barbara S.
 CORPORATE SOURCE: Abbott Bioresearch Center, Worcester, MA, 01605-5214, USA
 SOURCE: Bioorganic & Medicinal Chemistry Letters (2002), 12(12), 1687-1690
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 13849367
 IT 364042-47-7
 RI: PAC (Pharmacological activity); TRF (Therapeutic use); SIGL (Synoptical study); USES (Uses)
 (structure-activity relationship of substituted pyrazolopyrimidines as potent inhibitors of Lck)

20 364042-47-7 CAPLUS
 C01 7b-Pyrazolo[3,4-d]pyrimidin-6-amine, 7-[(trans-4-(4-methyl-3-piperazinyl)cyclohexyl)-5-(4-phenoxypheyl)]- (CA INDEX NAME)

Relative stereochemistry.



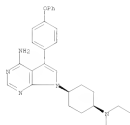
A6 A series of para-substituted 3-Ph pyrazolopyrimidines was synthesized and evaluated as inhibitors of Lck. The nature of the substitution affected enzyme selectivity and potency for Lck, src, lat, and tie-2. One of the para-phenoxypheyl pyrazolopyrimidine analog is an orally active Lck inhibitor with a bioavailability of 63% and exhibits an extended duration of action in animal models of T cell inhibition.

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RECORD.

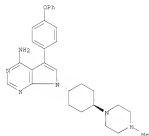
Printed

15 ANSWER 12 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)
 ACCESSION NUMBER: 13849366
 DOCUMENT NUMBER: Pyrido[2,3-d]pyrimidines containing diverse N-7
 TITLES substituents as potent inhibitors of Lok
 AUTHOR(S): Calderwood, David S.; Johnston, David M.; Munoz-Hernandez,
 RAUL; Rafferty, Paul
 CORPORATE SOURCE: Abbott Molecular Center, Worcester, MA, 01605-5314,
 USA
 SOURCE: Bioorganic & Medicinal Chemistry Letters [2002],
 12(12), 1693-1696
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Chemical Science Lett.
 LANGUAGE: English
 OTHER SOURCE(S): CAS28207 13849366
 17 26441-49-4P 26441-49-7P 47951-40-1P
 21 PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); RIGL (Biological study); PREP (Preparation); USES
 (Uses)
 28 26441-49-8 CAPLUS
 29 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-phenoxypheyl]-7-[cis-4-(1-
 piperidinyl)cyclohexyl]- (CA INDEX NAME)
 Relative stereochemistry.



28 26441-49-7 CAPLUS
 29 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-phenoxypheyl]-7-[trans-4-(1-
 piperidinyl)cyclohexyl]- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 12 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)
 ACCESSION NUMBER: 13849366
 DOCUMENT NUMBER: Pyrido[2,3-d]pyrimidines containing diverse N-7
 TITLES substituents as potent inhibitors of Lok
 AUTHOR(S): Calderwood, David S.; Johnston, David M.; Munoz-Hernandez,
 RAUL; Rafferty, Paul
 CORPORATE SOURCE: Abbott Molecular Center, Worcester, MA, 01605-5314,
 USA
 SOURCE: Bioorganic & Medicinal Chemistry Letters [2002],
 12(12), 1693-1696
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Chemical Science Lett.
 LANGUAGE: English
 OTHER SOURCE(S): CAS28207 13849366
 17 26441-49-4P 26441-49-7P 47951-40-1P
 21 PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); RIGL (Biological study); PREP (Preparation); USES
 (Uses)
 28 26441-49-8 CAPLUS
 29 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-phenoxypheyl]-7-[cis-4-(1-
 piperidinyl)cyclohexyl]- (CA INDEX NAME)
 Relative stereochemistry.



17 213743-31-8
 21 PAC (Pharmacological activity); THU (Therapeutic use); RIGL (Biological
 study); USES (Uses)
 28 213743-31-8 CAPLUS
 29 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-cyclopentyl-5-[4-phenoxypheyl]-
 (CA INDEX NAME)
 Relative stereochemistry.

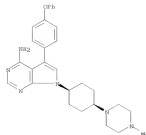


AS A series of pyrrolo[2,3-d]pyrimidines was synthesized and
 structure-activity relationship was evaluated as inhibitors of Lok. Lok
 accommodates a diverse set of substituents at N-7. Altering the
 substituent at N-7 provided another compound, an orally available Lok
 inhibitor which inhibited TCR mediated IL-2 production after oral dosing.
 REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR
 THIS

FORMAT

RECORD. ALL CITATIONS AVAILABLE IN THE RE

15 ANSWER 12 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)
 ACCESSION NUMBER: 13849366
 DOCUMENT NUMBER: Pyrido[2,3-d]pyrimidines containing diverse N-7
 TITLES substituents as potent inhibitors of Lok
 AUTHOR(S): Calderwood, David S.; Johnston, David M.; Munoz-Hernandez,
 RAUL; Rafferty, Paul
 CORPORATE SOURCE: Abbott Molecular Center, Worcester, MA, 01605-5314,
 USA
 SOURCE: Bioorganic & Medicinal Chemistry Letters [2002],
 12(12), 1693-1696
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Chemical Science Lett.
 LANGUAGE: English
 OTHER SOURCE(S): CAS28207 13849366
 17 26441-49-4P 26441-49-7P 47951-40-1P
 21 PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); RIGL (Biological study); PREP (Preparation); USES
 (Uses)
 28 26441-49-8 CAPLUS
 29 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-4-(4-methyl-1-
 piperazinyl)cyclohexyl]-5-[4-phenoxypheyl]- (CA INDEX NAME)
 Relative stereochemistry.



17 364042-47-7P
 21 PAC (Pharmacokinetics); SPN (Synthetic preparation); THU (Therapeutic
 use); RIGL (Biological study); PREP (Preparation); USES (Uses)
 28 364042-47-7 CAPLUS
 29 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-4-(4-methyl-1-
 piperazinyl)cyclohexyl]-5-[4-phenoxypheyl]- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 12 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

15	ANMERK 14 OF	CAPLUS COPYRIGHT 2007 ACS ON 978
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	DOCUMENT NUMBER:	12828795
	TITLE:	Pyroglutaminidase as tyrosine kinase inhibitors
	INVENTOR(S):	Hirst, Gavin C.; Galdenow, David; Mueschner, Kainer; Arnold, Lee D.; Johnston, David N.; Rafferty, Paul
	PATENT ASSIGNEE(S):	Baef Aktiengesellschaft, Germany
	SCHEME:	PC: Int. Appl., 423 pp.
		CURR: PEXCSD
	DOCUMENT TYPE:	Patent
	LANGUAGE:	English
	FAMILY AC NUM COUNT:	1
		PATENT INFORMATION

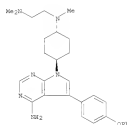
PATIENT NO.		KIND		DATE		APPLICATION NO.		DATE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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W	AE	AG	AL	AS	AT	AO	AX	BA	BB	BC	BD	BE	BF	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC	JD	JE	JF	JG	JH	JI	IJ	JK	JL	JM	JN	JO	JP	JQ	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG	LH	LI	LJ	LK	LM	LN	LO	LP	LQ	LR	LS	LT	LU	LV	LV	MA	MB	MC	MD	ME	MF	MG	MH	MI	MJ	MK	ML	MM	MN	MO	MP	MQ	MR	MS	MT	MU	MV	MW	MX	MY	MZ	NA	NB	NC	ND	NE	NF	NG	NH	NI	NJ	NK	NL	NM	NO	NP	NQ	NR	NS	NT	NU	NV	NW	NX	NY	NZ	OA	OB	OC	OD	OE	OF	OG	OH	OI	OJ	OK	OL	OM	ON	OO	OP	OQ	OR	OS	OT	OU	OV	OW	OX	OY	OZ	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK	PL	PM	PN	PO	PP	PQ	PR	PS	PT	PU	PV	PW	PX	PY	PZ	QA	QB	QC	QD	QE	QF	QG	QH	QI	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	QU	QV	QW	QX	QY	QZ	RA	RB	RC	RD	RE	RF	RG	RH	RI	RJ	RK	RL	RM	RN	RO	RP	RQ	RR	RS	RT	RU	RV	RW	RX	RY	RZ	SA	SB	SC	SD	SE	SF	SG	SH	SI	SJ	SK	SL	SM	SN	SO	SP	SQ	SR	SS	ST	SU	SV	SW	SX	SY	SZ	TA	TB	TC	TD	TE	TF	TG	TH	TI	TJ	TK	TL	TM	TN	TO	TP	TQ	TR	TS	TU	TV	TW	TX	TY	TZ	UA	UB	UC	UD	UE	UF	UG	UH	UI	UJ	UK	UL	UM	UN	UO	UP	UQ	UR	US	UT	UU	UV	UW	UX	UY	UZ	VA	VB	VC	VD	VE	VF	VG	VH	VI	VJ	VK	VL	VM	VN	VO	VP	VQ	VR	VS	VT	VU	VV	VW	VX	VY	VZ	WA	WB	WC	WD	WE	WF	WG	WH	WI	WJ	WK	WL	WM	WN	WO	WP	WQ	WR	WS	WT	WU	WV	WW	WX	WY	WZ	XA	XB	XC	XD	XE	XF	XG	XH	XI	XJ	XK	XL	XM	XN	XO	XP	XQ	XR	XS	XT	XU	XV	XW	XX	XY	XZ	YA	YB	YC	YD	YE	YF	YG	YH	YI	YJ	YK	YL	YM	YN	YO	YP	YQ	YR	YS	YT	YU	YV	YW	YX	YZ	ZA	ZB	ZC	ZD	ZE	ZF	ZG	ZH	ZI	ZJ	ZK	ZL	ZM	ZN	ZO	ZP	ZQ	ZR	ZS	ZT	ZU	ZV	ZW	ZX</

OTHER SOURCE(S): MARPAT 135;208790
 ITN 262443-65-CP 262442-66-PP 262443-85-CP
 262444-23-SP 262444-24-EP 262444-27-CP
 262444-28-CP 262444-34-SP
 K1: RAC (Biological activity or reactor, accept address); ENU
 [Biological
 study, unclassified; RCT (Reagent); SYN (Synthetic preparation); ZW
 (Diagnostic use); RGL (Biological study); PREP (Preparation); RACT
 (Reagent or reagent); USES (Uses)
 [Intermediate; preparation of pyrrolopyrindinamines as protein kinase

INHIBITORS
R2 262441-65-6 CAPLUS
C2 1,2-Ethanedianine, N-[cis-4-(4-amino-5-(4-phenoxyphenyl))-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl-N,N',N'-trimethyl- (PCI) (CA INDEX NAME)

Relative stereochemistry

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

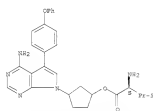


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NN  262444=23=5  CAPLOS
CN  L-Valine, 3-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-
    yl)valeroyl ester (CA INDEX NAME)

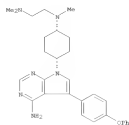
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Absolute stereochemistry.



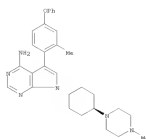
RN 262444-24-6 CAPLOS
CN Carbanic acid, [2-(4-morpholinyl)ethyl]-, 3-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-9-yl]cyclopentyl ester (PCI) (CA INDEX NAME)

L5 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on 5TH (Continued)



JN 262442-06-8 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine,
 5-(2-methyl-4-phenoxyphenyl)-7-[trans-
 4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

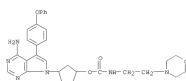
Fig. 3. *Adaptive* — adaptive management; *Adaptive* — adaptive management.



IN 262443-85-6 CAPLUS
 CN 1,2-Ethanediarnine,
 N-[trans-4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-
 d]pyridin-7-yl]cyclohexyl]-N,N'-trimethyl- (PCI) (CA INDEX NAME)

Relative stereochemistry

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

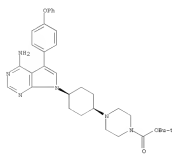


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IN  262444-27-9  CAPLUS
CN  1-Piperazinecarboxylic acid, 4-[cis-4-[4-amino-5-(4-phenoxyphenyl)-7H-
    pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-, 1,1-dimethylethyl ester (C
INDEX NAME

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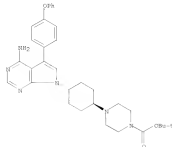
Vol 1 of 100, 000 copies, 1995



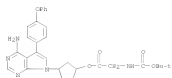
RN 262444-28-0 CAPLOS
 CN 1-Piperazinecarboxylic acid, 4-[trans-4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

Relative stereochemistry

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

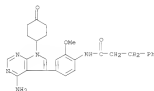


22 262444-34-8 CAPLUS
 CH Glycine, N-((1,1-dimethylethoxy)carbonyl)-, 2-[4-amino-5-(4-phenylphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclopentyl ester (CA INDEX NAME)

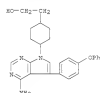


3T 262444-29-3P 262444-50-8P 262444-51-9P
 264354-37-0P 264354-38-1P 264354-50-7P
 264355-10-6P 264355-11-7P 264355-36-2P
 264355-42-0P 264355-99-7P
 2L RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 [Intermediate preparation of pyrrolopyrimidinamines as protein kinase inhibitors]
 22 262444-29-3 CAPLUS
 CH Cyclopentane, 3-[4-amino-5-(4-phenylphenyl)-7H-pyrrolo[2,3-d]pyrimidin-

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



22 264354-37-0 CAPLUS
 CH Cyclohexanecarboxylic acid, 3-amino-4-[4-phenoxypheyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl- (CA INDEX NAME)



22 264354-39-1 CAPLUS
 CH Cyclohexanecarboxylic acid, 3-amino-4-[4-phenoxypheyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl- (CA INDEX NAME)



22 264354-38-7 CAPLUS
 CH Cyclohexanecarboxylic acid, 3-amino-4-[4-phenoxypheyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl- (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

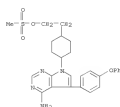


22 262444-50-8 CAPLUS
 CH Cyclohexanecarboxylic acid, 3-amino-4-[4-phenoxypheyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl- (CA INDEX NAME)



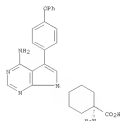
22 262444-51-9 CAPLUS
 CH Cyclohexanecarboxylic acid, 3-amino-4-[4-phenoxypheyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl- (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



22 264355-30-6 CAPLUS
 CH Cyclohexanecarboxylic acid, 3-amino-4-[4-phenoxypheyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl-, cis- (CA INDEX NAME)

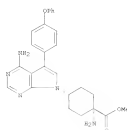
Relative stereochemistry.



22 264355-31-7 CAPLUS
 CH Cyclohexanecarboxylic acid, 3-amino-4-[4-phenoxypheyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl-, methyl ester, cis- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

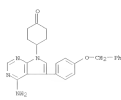


3R 364355-36-2 CAPLUS
 CH Cyclohexanone, 4-[(4-amino-5-[4-phenylphenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl)]- (CA INDEX NAME)



3R 364355-42-0 CAPLUS
 CH Cyclohexanone, 4-[(4-amino-5-[4-phenylphenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl)]- (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



3R 364355-99-7 CAPLUS
 CH Cyclohexanone, 4-[(4-amino-5-[4-phenylphenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl)]- (CA INDEX NAME)



3T 262442-50-2P 262442-56-8P 262442-90-0P
 364353-91-3P 364353-94-6P 364353-96-8P
 364354-00-7P 364354-03-8P 364354-05-2P
 364354-08-5P 364354-14-3P 364354-16-5P
 364354-17-6P 364354-19-8P 364354-21-2P
 364354-26-7P 364354-27-8P 364354-28-8P
 364354-32-5P 364354-36-9P 364354-39-2P
 364354-40-5P 364354-43-6P 364354-42-7P
 364354-43-8P 364354-44-9P 364354-45-9P
 364354-46-1P 364354-47-2P 364354-48-3P
 364354-51-6P 364354-52-9P 364354-53-6P
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 364354-57-4P 364354-58-3P 364354-60-3P
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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

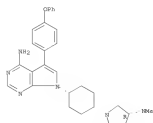
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 364355-00-5P 364355-01-3P 364355-02-1P
 364355-03-3P 364355-04-6P 364355-06-4P,
 Trans-3-(N-methyl-7-[(4-[(4-amino-5-[4-phenylphenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl)]-5-cyclohexanone) diacetate 364355-07-7P
 364355-08-0P 364355-09-9P 364355-10-2P
 364355-11-3P 364355-12-4P 364355-13-5P
 364355-14-6P 364355-15-7P 364355-16-8P
 364355-18-0P 364355-19-1P 364355-20-4P
 364355-21-3P 364355-22-4P 364355-23-7P
 364355-24-8P 364355-25-9P 364355-26-1P,
 Cis-4-[(4-Amino-5-[4-phenylphenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl)]-5-aminomethylcyclohexanone diacetate 364355-27-9P
 364355-35-3P 364355-40-8P 364355-42-9P
 364355-51-3P 364355-53-7P 364355-56-6P
 364355-57-7P 364355-58-8P 364355-59-9P
 364355-60-2P 364355-62-4P 364355-63-5P
 364355-64-6P 364355-65-7P 364355-66-8P
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 364355-91-9P 364355-92-0P 364355-93-1P
 364355-94-4P 364355-97-5P 364355-05-8P
 364356-08-1P 364356-11-6P 364356-13-8P
 ELEM (Biological activity or effector, except adenosine); RESU

(Biological study, unclassified); BPH (Synthetic preparation); TMO (Therapeutic use); BSC (Biological study); BSC (Preparation); BSC (Use); (Prep. of pyrazolo[1,5-a]pyrimidines as protein kinase inhibitors)

3R 262442-50-2 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[[trans-4-[[12B-3-(dimethylamino)-1-pyrrolyldiyl]cyclohexyl]-5-(4-phenylphenyl)]-5- (CA INDEX NAME)

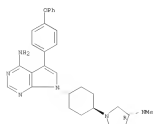
Absolute stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



3R 262442-56-8 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[[trans-4-[[12B-3-(dimethylamino)-1-pyrrolyldiyl]cyclohexyl]-5-(4-phenylphenyl)]-5- (CA INDEX NAME)

Absolute stereochemistry.

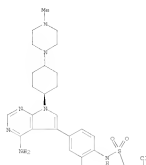


3R 262442-90-0 CAPLUS
 CH Benzenesulfonamide, N-[4-[(4-amino-7-[[trans-4-[[12B-3-(dimethylamino)-1-pyrrolyldiyl]cyclohexyl]-5-(4-phenylphenyl)]-5-yl]-2-ethylthio]-7-yl]-2- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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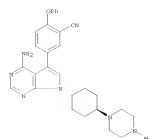
20 364353-91-3 CAPLOS
 CN Benzimidazole,
 5-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-
 pyrrolo[2,3-d]pyrimidin-5-yl]-2-phenoxy-, diacetate (PCI) (CA INDEX NAME)

CN 1

CN 364353-90-2
 CNF C10 H13 N1 O

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

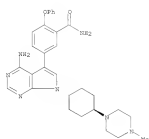
CN 64-19-7
 CNF C2 H4 O2



20 364353-94-6 CAPLOS
 CN Benzimidazole, 5-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-
 pyrrolo[2,3-d]pyrimidin-5-yl]-2-phenoxy- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

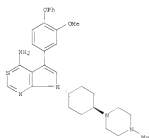


20 364353-94-8 CAPLOS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine,
 5-[3-methoxy-4-phenoxyphenyl]-7-[trans-
 4-(4-methyl-1-piperazinyl)cyclohexyl]-, diacetate (PCI) (CA INDEX NAME)

CN 1

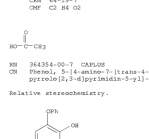
CN 364353-93-7
 CNF C10 H14 N1 O2

Relative stereochemistry.



CN 2

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



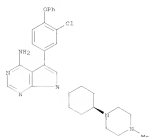
20 364354-00-7 CAPLOS
 CN Phenol, 5-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-
 pyrrolo[2,3-d]pyrimidin-5-yl]-2-phenoxy- (CA INDEX NAME)

Relative stereochemistry.

20 364354-01-8 CAPLOS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine,
 5-[3-chloro-4-phenoxyphenyl]-7-[trans-
 4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

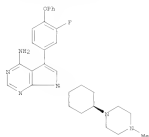
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



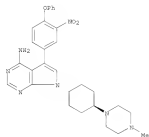
IN 364354-05-2 CAPLUM
CN 78-Pyrrolo[2,3-d]pyrimidin-4-anine,
5-[3-fluoro-4-phenoxycarbonyl]-7-[trans-
4-(4-methyl-1-piperazinyl)cyclohexyl]-, diacetate (9CI) [CA INDEX NAME]

CH 1
 CBR 364354-04-1
 CMT C29 H33 F N6 O

Relative stereochemistry.



15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CM	2
C320	64-39-7
CMT	C2 H4 O2



RD 364354-16-5 CAPLUS
 CN 7H-Pyrazolo[2,3-d]pyrimidin-4-amine,
 5-(3-amino-4-phenoxyphenyl)-7-[trans-4-(4-methoxy-1-iminoethyl)pyrrolidin-2-yl]- (CA INDEX NAME)

Relative stereochemistry

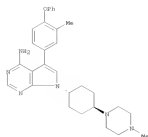
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on 5TH (Continued)

ON	2
CHN	64.19-7
OMP	C2 H4 O2



EN 364354-08-5 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine,
 5-[3-methyl-4-phenoxyphenyl]-7-[trans-
 4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.



IN 364354-14-3 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-5-[3-nitro-4-phenoxyphenyl]-, monooxetate (9CI)
(CA INDEX NAME)

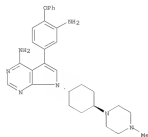
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CN      1
CEN     364354-13-2
CME     C22 H33 N7 O2

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Relative stereochemistry.

1.5 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

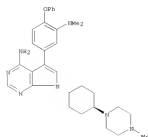


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RN      364354-17-6  CAPLUS
CN      7H-Pyrrolo[2,3-d]pyrimidin-4-amine,
5-[3-(dimethylamino)-4-phenoxypyrenyl]-
7-[trans-4-[(4-methyl-1-piperazinyl)oxy]hexyl]-
ICA INDEX NAME

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Relative stereochemistry.



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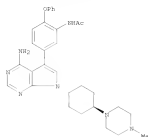
NN 364354-19-0  CAPLOS
CN Acetamide,
N-[5-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-
pyrrolo[2,3-d]pyrimidin-5-yl]-2-phenoxyphenyl]-, monoacetate (3CI) (CA
INDEX NAME)

```

9 1

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)
 CMI 364354-18-7
 CMI C11 H37 N7 O2

Relative stereochemistry.



CM 2
 CMI 64-19-7
 CMI C2 H4 O2

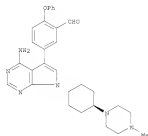


MI 364354-23-2 CAPLOS
 CM Benzaldehyde,
 5-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-
 pyrrolo[2,3-d]pyrimidin-5-yl]-2-phenoxy-, (2E)-2-benzenedisulfonate (1:2) (CA
 INDEX NAME)

CM 3
 CMI 364354-20-1
 CMI C10 H14 N6 O2

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

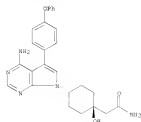


CM 2
 CMI 64-19-7
 CMI C2 H4 O2

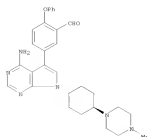


MI 364354-27-8 CAPLOS
 CM Cyclohexanecarboxamide, 6-[6-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-
 d]pyrimidin-7-yl]-2-hydroxy-, trans- (CA INDEX NAME)

Relative stereochemistry.



15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CM 2
 CMI 110-16-7
 CMI C4 H6 O4

Double bond geometry as shown.



MI 364354-26-7 CAPLOS
 CM Benzoic acid,
 5-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-
 pyrrolo[2,3-d]pyrimidin-5-yl]-2-phenoxy-, diacetate (1:1) (CA INDEX
 NAME)

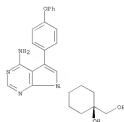
CM 1
 CMI 364354-20-1
 CMI C10 H14 N6 O2

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

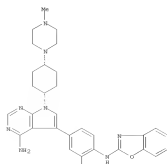
MI 364354-28-9 CAPLOS
 CM Cyclohexanemethanol, 6-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-
 d]pyrimidin-7-yl]-1-hydroxy-, trans- (CA INDEX NAME)

Relative stereochemistry.



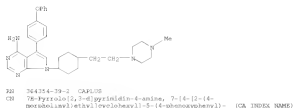
MI 364354-32-5 CAPLOS
 CM 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-(2-benzoxazolylamino)-3-
 fluorophenyl]-7-[dis-4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX
 NAME)

Relative stereochemistry.

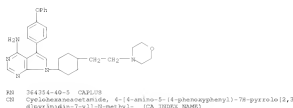


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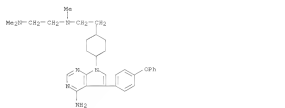
XX 364354-36-9 CAPLUS
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[4-[2-(4-methyl-1-piperidinylethyl)cyclohexyl]-5-(4-phenoxyphenyl)]- (CA INDEX NAME)



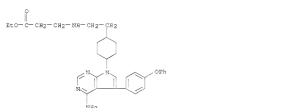
XX 364354-39-2 CAPLUS
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[4-[2-(4-morpholinylethyl)cyclohexyl]-5-(4-phenoxyphenyl)]- (CA INDEX NAME)



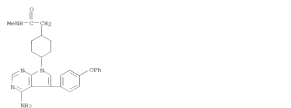
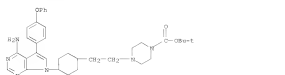
XX 364354-40-5 CAPLUS
CN Cyclohexanecarboxamide, 4-[4-amino-5-(4-phenoxyphenyl)-78-pyrrolo[2,3-d]pyrimidin-7-yl]-8-methyl- (CA INDEX NAME)



XX 364354-43-8 CAPLUS
CN 8-Azaindole, N-[2-[4-[4-amino-5-(4-phenoxyphenyl)-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexylethyl]-, ethyl ester (CA INDEX NAME)



XX 364354-44-9 CAPLUS
CN 3-Piperazinacetic acid, 4-[2-[4-[4-amino-5-(4-phenoxyphenyl)-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexylethyl]-, 1,3-dimethylethyl ester (CA INDEX NAME)

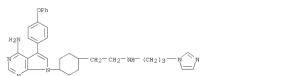


XX 364354-43-6 CAPLUS
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[4-[2-(dimethylamino)ethyl]cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)

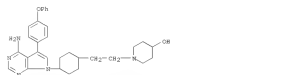


XX 364354-42-7 CAPLUS
CN 1,2-Subsidiaridine, N-[2-[4-[4-amino-5-(4-phenoxyphenyl)-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexylethyl]-N,N',N'-trimethyl- (3CI) (CA INDEX NAME)

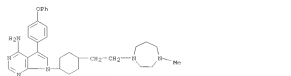
XX 364354-43-8 CAPLUS
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[4-[2-[13-(1H-imidazol-1-yl)propyl]amino]ethyl]cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)



XX 364354-46-1 CAPLUS
CN 4-Piperidindole, 1-[2-[4-[4-amino-5-(4-phenoxyphenyl)-78-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexylethyl]- (CA INDEX NAME)



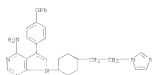
XX 364354-47-2 CAPLUS
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[4-[2-(hexahydro-6-methyl-1H-1,4-diazepin-3-yl)ethyl]cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)



XX 364354-48-3 CAPLUS
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[4-[2-(1H-imidazol-3-yl)ethyl]cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)



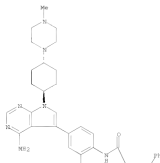
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 364354-51-8 CAPLUS
 CI Cyclopropanecarboxamide, N-[4-(4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-phenyl- (CA INDEX NAME)

Relative stereochemistry.

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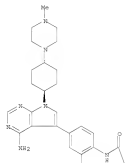


15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

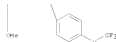
RI 364354-53-0 CAPLUS
 CI Benzanide, N-[4-(4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-4-(trifluoromethoxy)- (CA INDEX NAME)

Relative stereochemistry.

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RI 364354-54-1 CAPLUS
 CI Benzanide, N-[4-(4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-4-(trifluoromethyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

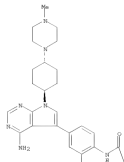


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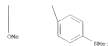
RI 364354-52-9 CAPLUS
 CI Benzanide, N-[4-(4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-4-(dimethylamino)- (CA INDEX NAME)

Relative stereochemistry.

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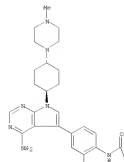


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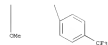


15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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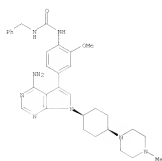
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RI 364354-55-2 CAPLUS
 CI Urea, N-[4-(4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-N'-(phenylmethyl)- (CA INDEX NAME)

Relative stereochemistry.

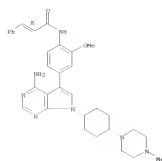
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



25 364354-56-3 CAPLUS
 CN 2-Propionamide,
 N-[4-[4-amino-7-[5-(4-{4-methyl-1-piperazinyl}cyclohexyl)-
 7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-3-phenyl-, (2E)- (CA
 INDEX N006)

Relative stereochemistry.
 Double bond geometry as shown.

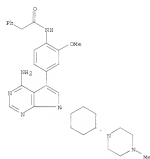
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



26 364354-57-4 CAPLUS
 CN Benzenecarboxamide, N-[4-[4-amino-7-[cis-4-[4-methyl-1-
 piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-
 (CA INDEX N006)

Relative stereochemistry.

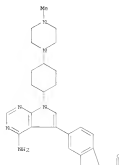
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



27 364354-59-6 CAPLUS
 CN Benzanide, N-[4-[4-amino-7-[cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-
 pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,3-di[2-oxo- (CA INDEX
 N006)

Relative stereochemistry.

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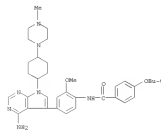


15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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29 364354-60-3 CAPLUS
 CN Benzanide, N-[4-[4-amino-7-[4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-
 pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-[1,1-dimethyl-2-oxo- (CA
 INDEX N006)

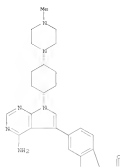


30 364354-61-0 CAPLUS
 CN Benzanide, N-[4-[4-amino-7-[cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-
 pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-3-fluoro- (CA INDEX N006)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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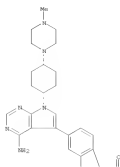


IN 364354-62-1 CAPLUS
 CN Benzanide, N-[4-[4-amino-7-[(cis-4-(4-nethyl-1-piperazinyl)cyclohexyl]-7H-
 pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,5-dimethoxy- (CA INDEX
 NAME)

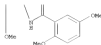
Relative stereochemistry.

L5 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on 5TH (Continued)

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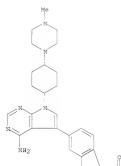


INN 364354-63-2 CAPLUS
 CN 1,3-Benzodioxole-5-carboxamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-
 (CA INDEX NAME)

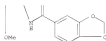
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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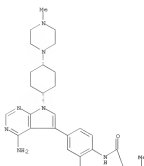


C02 Benzamide, N-[4-[4-amino-7-[oxa-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-
 pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,6-dimethyl- (CA INDEX
 NAME)

Relative stereochemistry.

1.5 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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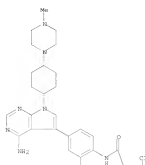


EN 364354-65-4 CAPLUS
 CN Benzamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-
 pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-chloro-4-fluoro- (CA
 INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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RN 364354-66-3 CAPLUS
 CN 3,3'-Benzodiazole-5-carboxamide, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]- (CA INDEX NAME)

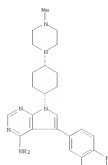
Relative stereochemistry.



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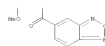
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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RN 364354-68-7 CAPLUS
 CN Benzimidazole, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]- (CA INDEX NAME)

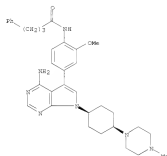
Relative stereochemistry.



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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

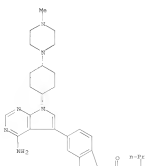
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RN 364354-69-9 CAPLUS
 CN 16-Pyrazole-4-carboxamide, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-1-methyl-5-propyl]- (CA INDEX NAME)

Relative stereochemistry.

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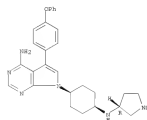


15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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RN 364354-70-1 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[(4-phenoxycyclohexyl)-7-[(cis-4-[(1S)-3-pyrrolidinylamino]cyclohexyl]- (CA INDEX NAME)

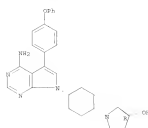
Absolute stereochemistry.



RN 364354-71-2 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[(4-phenoxycyclohexyl)-7-[(cis-4-[(1S)-3-pyrrolidinylamino]cyclohexyl]- (CA INDEX NAME)

Absolute stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



CH 2
CHN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.



RR 364354-85-9 CAPLUS
CH 2-Pyrrolo[2,3-d]pyrimidin-7-yl-1-[(trans-4-{4-phenoxycarbonyl}-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.

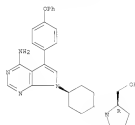
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



RR 364354-90-3 CAPLUS
CH 2-Pyrrolo[2,3-d]pyrimidin-7-yl-1-[(trans-4-{4-phenoxycarbonyl}-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]-, (2R)-, (2S)-2-butenedioate (1:2) (salt) (PCT) (CA INDEX NAME)

CH 1
CHN 364354-89-2
CMF C23 H23 N5 O2

Absolute stereochemistry.



CH 2
CHN 110-16-7
CMF C4 H4 O4

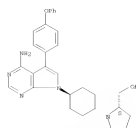
Double bond geometry as shown.



RR 364354-94-9 CAPLUS
CH Cyclohexan-1-yl-1-[(2-aminoethyl)-4-{4-phenoxycarbonyl}-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-, (2R)-, (2S)-2-butenedioate (1:2) (salt) (PCT) (CA INDEX NAME)

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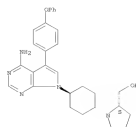
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



RR 364354-86-9 CAPLUS
CH 2-Pyrrolo[2,3-d]pyrimidin-7-yl-1-[(trans-4-{4-phenoxycarbonyl}-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]-, (2R)-, (2S)-2-butenedioate (1:2) (salt) (PCT) (CA INDEX NAME)

CH 1
CHN 364354-85-9
CMF C23 H23 N5 O2

Absolute stereochemistry.

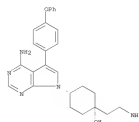


CH 2

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

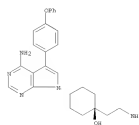
pyrrolo[2,3-d]pyrimidin-7-yl]-, cis- (CA INDEX NAME)

Relative stereochemistry.



RR 364354-95-0 CAPLUS
CH Cyclohexan-1-yl-1-[(2-aminoethyl)-4-{4-phenoxycarbonyl}-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-, trans- (CA INDEX NAME)

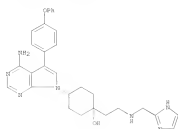
Relative stereochemistry.



RR 364354-97-2 CAPLUS
CH Cyclohexan-1-yl-1-[(2-aminoethyl)-4-{4-phenoxycarbonyl}-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-3-[(18-methoxycarbonyl-2-ylamino)ethyl]-, cis-, diacetate (salt) (PCT) (CA INDEX NAME)

CH 1
CHN 364354-96-1
CMF C32 H33 N7 O2

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
Relative stereochemistry.



HN 3

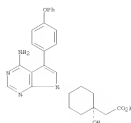
CH 64-19-7
CHF 62 R4 02



HN 364354-90-3 CAPLUS
CH Cyclohexanecarboxylic acid, 4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-hydroxy-, cis- (CA INDEX NAME)

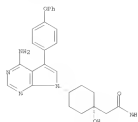
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 364354-99-4 CAPLUS
CH Cyclohexanecarboxamide, 4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-hydroxy-, cis- (CA INDEX NAME)

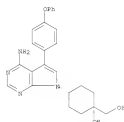
Relative stereochemistry.



HN 364355-00-0 CAPLUS
CH Cyclohexanemethanol, 4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-hydroxy-, cis- (CA INDEX NAME)

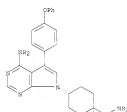
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 364355-01-1 CAPLUS
CH Cyclohexanemethanol, 4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-hydroxy-, cis- (CA INDEX NAME)

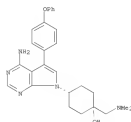
Relative stereochemistry.



HN 364355-02-2 CAPLUS
CH Cyclohexanemethanol, 4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-hydroxy-, cis- (CA INDEX NAME)

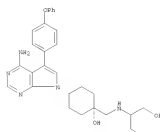
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 364355-03-3 CAPLUS
CH 3,3-Propanediol, 2-[[[cis-4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-hydroxycyclohexylmethyl]amino]- (CA INDEX NAME)

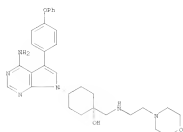
Relative stereochemistry.



HN 364355-04-4 CAPLUS
CH Cyclohexanemethanol, 4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-hydroxy-, cis- (CA INDEX NAME)

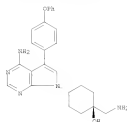
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

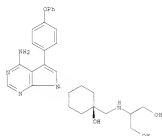


3H 364355-06-6 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-, trans-, diastate (salt) (PCT) (CA INDEX NAME)
 CH 3
 CHN 364355-05-5
 CHF C25 H27 N5 O2

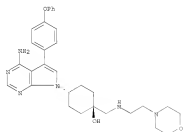
Relative stereochemistry.



15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



3H 364355-09-3 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[[2-(4-morpholinyl)ethyl]amino]methyl]-, trans- (CA INDEX NAME)
 Relative stereochemistry.



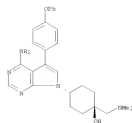
3H 364355-10-3 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[[2-hydroxyethyl]amino]methyl]- (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 2
 CHN 64-19-7
 CHF C2 H4 O2

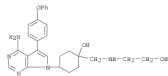


3H 364355-07-7 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-3-[[[dimethylamino]methyl]-, trans- (CA INDEX NAME)
 Relative stereochemistry.

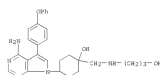


3H 364355-08-8 CAPLUS
 CN 1,3-Propanediol,
 2-[[[trans-4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-hydroxycyclohexyl]methyl]amino]- (CA INDEX NAME)
 Relative stereochemistry.

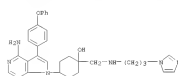
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



3H 364355-11-3 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-3-[[[3-hydroxypropyl]amino]methyl]- (CA INDEX NAME)

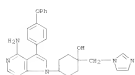


3H 364355-12-4 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-3-[[[3-(1H-imidazol-1-yl)propyl]amino]methyl]- (CA INDEX NAME)

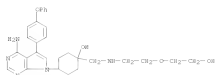


3H 364355-13-5 CAPLUS
 CN Cyclohexanol,
 4-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-3-(1H-imidazol-1-yl)methyl- (CA INDEX NAME)

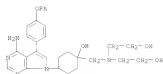
15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



XXI 364355-14-6 CAPLOS
 CH Cyclohexan-1-ol,
 4-[[4-amino-5-(4-phenylphenyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[2-(2-hydroxyethoxy)ethyl]amino]methyl]- (CA INDEX NAME)

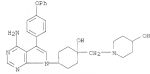


XXI 364355-15-7 CAPLOS
 CH Cyclohexan-1-ol,
 4-[[4-amino-5-(4-phenylphenyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[bis(2-hydroxyethyl)amino]methyl]- (CA INDEX NAME)

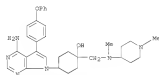


XXI 364355-16-8 CAPLOS
 CH Cyclohexan-1-ol,
 4-[[4-amino-5-(4-phenylphenyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[2-(4-methylamino)ethyl]amino]methyl]- (CA INDEX NAME)

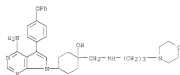
15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



XXI 364355-21-3 CAPLOS
 CH Cyclohexan-1-ol,
 4-[[4-amino-5-(4-phenylphenyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[2-(4-methylamino)ethyl]amino]methyl]- (CA INDEX NAME)

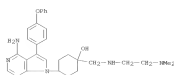


XXI 364355-22-6 CAPLOS
 CH Cyclohexan-1-ol,
 4-[[4-amino-5-(4-phenylphenyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[2-(4-methylamino)ethyl]amino]methyl]- (CA INDEX NAME)

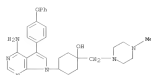


XXI 364355-23-7 CAPLOS
 CH Cyclohexan-1-ol,
 4-[[4-amino-5-(4-phenylphenyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[2-(4-methylamino)ethyl]amino]methyl]- (CA INDEX NAME)

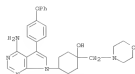
15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



XXI 364355-19-0 CAPLOS
 CH Cyclohexan-1-ol,
 4-[[4-amino-5-(4-phenylphenyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[2-(4-methylamino)ethyl]amino]methyl]- (CA INDEX NAME)

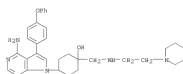


XXI 364355-19-1 CAPLOS
 CH Cyclohexan-1-ol,
 4-[[4-amino-5-(4-phenylphenyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[2-(4-methylamino)ethyl]amino]methyl]- (CA INDEX NAME)

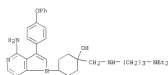


XXI 364355-20-4 CAPLOS
 CH 4-Piperidinol, 1-[[4-[[4-amino-5-(4-phenylphenyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[2-(4-methylamino)ethyl]amino]methyl]-cyclohexyl]amino]methyl]- (CA INDEX NAME)

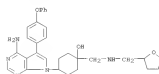
15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



XXI 364355-24-8 CAPLOS
 CH Cyclohexan-1-ol,
 4-[[4-amino-5-(4-phenylphenyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[2-(4-methylamino)ethyl]amino]methyl]- (CA INDEX NAME)



XXI 364355-25-9 CAPLOS
 CH Cyclohexan-1-ol,
 4-[[4-amino-5-(4-phenylphenyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[2-(4-methylamino)ethyl]amino]methyl]- (CA INDEX NAME)

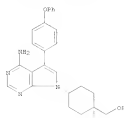


XXI 364355-25-7 CAPLOS
 CH Cyclohexan-1-ol,
 4-[[4-amino-5-(4-phenylphenyl)-7-pyrrolo[2,3-d]pyrimidin-7-yl]-1-[[2-(4-methylamino)ethyl]amino]methyl]- (CA INDEX NAME)

CH 1
 CHN 364355-26-2
 CNP C25 H27 N5 O2

10534427b.trn

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)
Relative stereochemistry.



CM 2
CIR 64-19-7
CIR C2 R4 O2

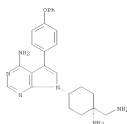


RN 364355-33-9 CAPLOS
CN 7a-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(cis-4-amino-4-(aminomethyl)cyclohexyl)-5-(4-phenoxyphenyl)]-, monooacetate (PCI) (CA INDEX NAME)

CM 1
CIR 364355-32-8
CIR C2 R4 O

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CM 2
CIR 64-19-7
CIR C2 R4 O2

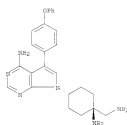


RN 364355-35-1 CAPLOS
CN 7a-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[trans-4-amino-4-(aminomethyl)cyclohexyl]-5-(4-phenoxyphenyl)-, monooacetate (PCI) (CA INDEX NAME)

CM 1
CIR 364355-34-0
CIR C2 R4 O

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



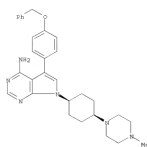
CM 2
CIR 64-19-7
CIR C2 R4 O2



RN 364355-40-8 CAPLOS
CN 7a-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl)-5-(4-phenoxyphenyl)]-, (CA INDEX NAME)

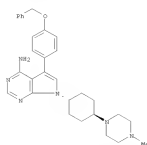
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



RN 364355-41-9 CAPLOS
CN 7a-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxyphenyl)-, (CA INDEX NAME)

Relative stereochemistry.



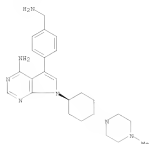
RN 364355-51-1 CAPLOS
CN 7a-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-(aminomethyl)phenyl]-7-(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)-, (2E)-2-butenedioate (1:4) (CA INDEX NAME)

CM 1

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CHI 364355-50-0
 CNF C14 R13 R7

Relative stereochemistry.



CHI 2

CHI 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.



CHI 364355-51-3 CAPLUS

CHI 78-Pyrazolo[2,3-d]pyrimidin-6-amine,
 5-[4-(aminomethyl)phenyl]-7-[[4-(4-
 methyl-1-piperazinyl)cyclohexyl]-, (2S)-2-butenedioate (1:4) (CA INDEX NAME)

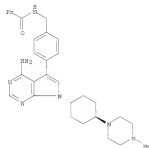
CHI 1

CHI 364355-52-2

CNF C14 R13 R7

Relative stereochemistry.

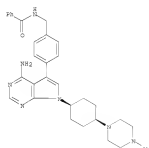
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CHI 364355-51-3 CAPLUS

CHI Benzoic acid, N-[[4-(4-aminophenyl)-7-[[4-(4-methyl-1-piperazinyl)cyclohexyl]-78-
 pyrazolo[2,3-d]pyrimidin-6-yl]phenyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

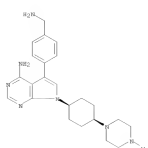


CHI 364355-58-8 CAPLUS

CHI Acetanilide, N-[[4-(4-aminophenyl)-7-[[4-(4-methyl-1-piperazinyl)cyclohexyl]-78-
 pyrazolo[2,3-d]pyrimidin-6-yl]phenyl]methyl]- (CA INDEX NAME)

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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CHI 2

CHI 110-16-7

CNF C4 R4 O4

Double bond geometry as shown.

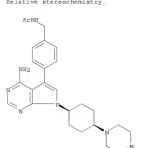


CHI 364355-56-6 CAPLUS

CHI Benzoic acid, N-[[4-(4-aminophenyl)-7-[[4-(4-methyl-1-piperazinyl)cyclohexyl]-
 78-pyrazolo[2,3-d]pyrimidin-6-yl]phenyl]methyl]- (CA INDEX NAME)

Relative stereochemistry.

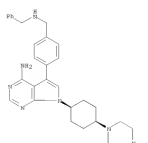
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CHI 364355-59-9 CAPLUS

CHI 78-Pyrazolo[2,3-d]pyrimidin-6-amine, 7-[[4-(4-methyl-1-
 piperazinyl)cyclohexyl]-5-[4-[[phenylmethyl]amino]methyl]phenyl]- (CA
 INDEX NAME)

Relative stereochemistry.

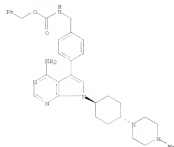


CHI 364355-60-2 CAPLUS

CHI Calixic acid, N-[[4-(4-aminophenyl)-7-[[4-(4-methyl-1-piperazinyl)cyclohexyl]-
 78-pyrazolo[2,3-d]pyrimidin-6-yl]phenyl]methyl]- (CA INDEX NAME)

L5 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]methyl]-, phenylmethyl ester (9C1)
(CA INDEX NAME)

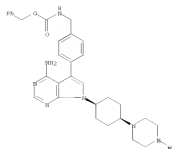
Relative stereochemistry.



RN 364355-62-4 CAPLUS
CN Caffeine acid, [[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]methyl]-, phenylmethyl ester (9C1)
(CA INDEX NAME)

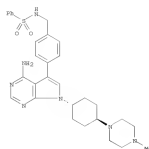
Relative stereochemistry.

L5 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



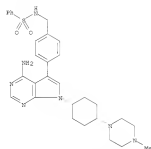
RN 364355-63-5 CAPLUS
CN Benzenesulfonamide, N-[[4-[4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]methyl]-, phenylmethyl ester (9C1)
(CA INDEX NAME)

Relative stereochemistry.



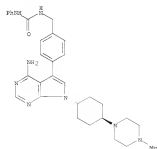
L5 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RN 364355-64-4 CAPLUS
CN Benzenesulfonamide, N-[[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]methyl]-, phenylmethyl ester (9C1)
(CA INDEX NAME)

Relative stereochemistry.



RN 364355-65-7 CAPLUS
CN Urea, N-[[4-[4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]methyl]-, phenylmethyl ester (9C1)
(CA INDEX NAME)

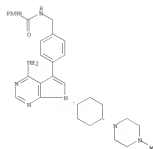
Relative stereochemistry.



L5 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 364355-66-8 CAPLUS
CN Urea, N-[[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]methyl]-, phenylmethyl ester (9C1)
(CA INDEX NAME)

Relative stereochemistry.

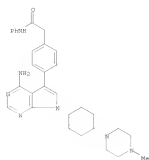


RN 364355-68-0 CAPLUS
CN Benzenesulfonamide, 4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-N-phenyl-, (2S)-2-benzenesulfonate (1:2)
(CA INDEX NAME)

CN 1
CIN 364355-67-9
COP C31 H37 N7 O

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CIN 110-12-7

CIN 14 14 14

Double bond geometry as shown.



IN 364355-71-3 CAPLOS
 CN Urea, N-[4-{4-amino-7-[(trans-4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-N-phenyl, (2S)-2-butenediate (1:1)] (CA INDEX NAME)

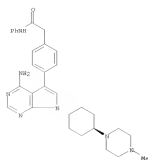
CN 3

CIN 364355-70-4

CIN 11 13 7 11 0

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CIN 110-12-7

CIN 14 14 14

Double bond geometry as shown.

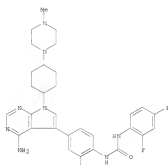


IN 364355-70-3 CAPLOS
 CN Urea, N-[4-{4-amino-7-[(cis-4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(2,4-difluorophenyl) - (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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F

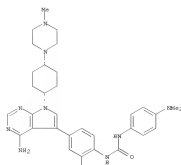
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IN 364355-76-0 CAPLOS
 CN Urea, N-[4-{4-amino-7-[(cis-4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(4-(dimethylamino)phenyl) - (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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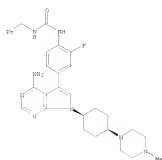
F

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IN 364355-77-1 CAPLOS
 CN Urea, N-[4-{4-amino-7-[(cis-4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(phenylmethyl) - (CA INDEX NAME)

Relative stereochemistry.

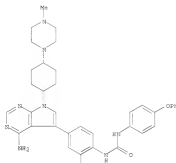
15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



364355-79-2 CAPLOS
 CH Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-[(3-methylphenyl)methyl]]- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

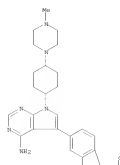
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364355-80-6 CAPLOS
 CH Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-[(4-methylphenyl)methyl]]- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

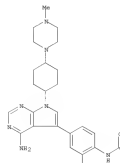
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364355-79-3 CAPLOS
 CH Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-[(4-phenylphenyl)]- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

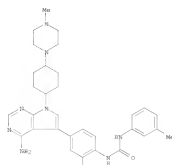
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364355-81-7 CAPLOS
 CH Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-[(3-methylphenyl)]- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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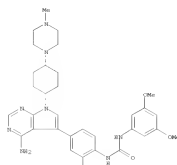
PAGE 2-A

RN 364355-82-8 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-6-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-[3,5-dimethoxyphenyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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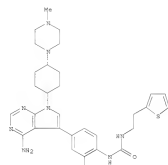
PAGE 2-A

RN 364355-83-9 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-6-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-[2-(2-thienyl)ethyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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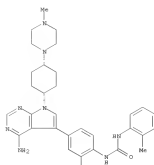
PAGE 2-A

RN 364355-84-0 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-6-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-[3-methylphenyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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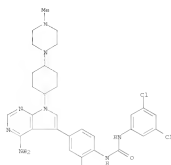
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RN 364355-85-1 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-6-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-[5,5-dichlorophenyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



F

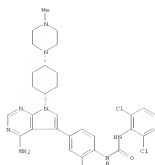
PAGE 2-A

RN 364355-86-2 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(2,6-dichlorophenyl)]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



F

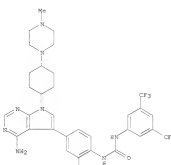
PAGE 2-A

RN 364355-87-3 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(3,5-dichlorophenyl)]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



F

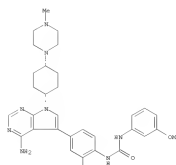
PAGE 2-A

RN 364355-88-4 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(3-methoxyphenyl)]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



F

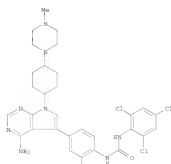
PAGE 2-A

RN 364355-89-5 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-N'-(2,4,6-trichlorophenyl)]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



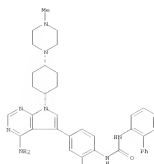
PAGE 2-A

RN 364355-90-0 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4'-[1,1'-biphenyl]-2-yl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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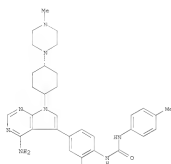
PAGE 2-A

RN 364355-91-9 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4'-[4-methylphenyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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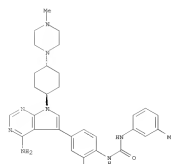
PAGE 2-A

RN 364355-92-0 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4'-[3-methylphenyl]- (CA INDEX NAME)

Relative stereochemistry.

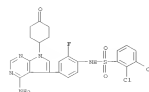
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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RN 364355-93-1 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[(4-oxocyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,2-dichloro- (CA INDEX NAME)

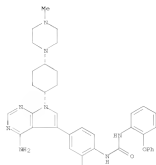


RN 364355-96-4 CAPLUS
 CN Urea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4'-[2-phenoxyphenyl]- (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
INDEX NAME

Relative stereochemistry.

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F

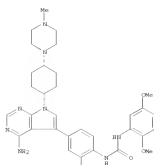
RI 264351-97-5 CAPLUS
CH Drea, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-b]pyridine-5-yl]-2-fluorophenyl]-N'-[2,3-dimethoxyphenyl]-
(CA INDEX NAME)

Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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RI 264356-05-8 CAPLUS
CH Benzenesulfonamide, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-b]pyridine-5-yl]-2-fluorophenyl]-2,3-dimethoxy-), 4-methyl-, (2E)-2-butenedioate (1:2) (CA INDEX NAME)

CH 1

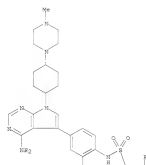
CHI 262443-66-3

CMF C29 R10 R42 F3 N7 O2 S

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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F

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CH 2

CHI 110-16-7

CMF C4 H4 O4

Double bond geometry as shown.



RI 264356-08-1 CAPLUS
CH Benzenesulfonamide, N-[4-[4-amino-7-(trans-4-[4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-b]pyridine-5-yl]-2-fluorophenyl]-

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A

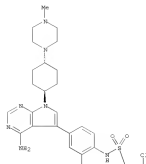
CH 1

CHI 262445-18-1

CMF C29 R12 C12 F N7 O2 S

Relative stereochemistry.

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F

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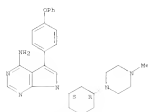
CH 2

CHI 110-16-7

CMF C4 H4 O4

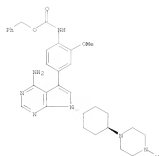
Double bond geometry as shown.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



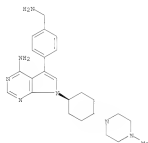
HN 262443-79-5 CAPLUS
 CH Carboxylic acid,
 [4-(4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl-1-phenylmethyl ester
 (9CI) (CA INDEX NAME)

Relative stereochemistry.



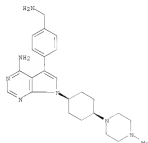
HN 262444-83-3 CAPLUS
 CH Carboxylic acid,
 3-[4-amino-5-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-7-

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 264355-52-2 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-6-amine,
 5-[4-(aminomethyl)phenyl]-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

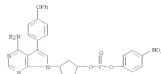
Relative stereochemistry.



JT 262443-45-2P 262445-49-6P 262443-81-2P
 262444-43-1P
 RJL RAC (Biological) activity or effector, except adverse; RSD
 (bio)chem; atox; unclassified; NCT (Reactant); SYN (Synthetic preparation); TWQ
 (Therapeutic use); RSG (Biological study); PRSP (Preparation); RAC7

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

yl)cyclopentyl 4-nitrophenyl ester (CA INDEX NAME)



HN 262444-45-5 CAPLUS
 CH Methanone, [4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)phenyl]phenyl- (CA INDEX NAME)



HN 264355-52-2 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-(aminomethyl)phenyl]-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

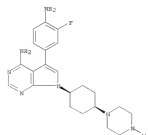


15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

(Reactant or reagent) USE (Use)
 (Target compound) Pyrazole pyrazolopyrimidines as protein kinase inhibitors

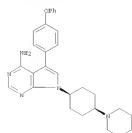
HN 262443-45-2 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-6-amine,
 5-[4-(aminomethyl)phenyl]-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.



HN 262443-42-4 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-(phenoxypheyl)-7-[trans-4-(1-piperidinyl)cyclohexyl]- (CA INDEX NAME)

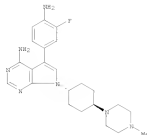
Relative stereochemistry.



15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CH 262443-83-2 CAPLUS
 CH Acetic acid,
 [4-{4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-
 y]cyclohexylidene]- (PCT) (CA INDEX NAME)



HN 262444-48-1 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-4-amine,
 5-[4-amino-3-(4-oxocyclohexyl)-7-trans-4-
 (4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)
 Relative stereochemistry.



27 262433-69-6P 262433-52-3P 262443-46-3P
 262442-47-4P 262442-48-5P 262443-50-3P
 262443-51-0P 262443-51-2P 262443-51-8P
 262443-66-7P 262443-67-8P 262443-69-0P
 262443-70-4P 262443-73-0P 262443-75-8P

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 262442-21-0P 262442-23-8P 262443-25-0P
 262442-27-2P 262443-28-4P 262443-31-8P
 262443-33-0P 262443-35-2P 262445-37-4P
 262445-39-0P 262445-41-0P
 XL RAC (Biological activity or effector, except address); RBU
 (biological)
 study, unclassified); SPH (Synthetic preparation); THO (Therapeutic use);
 XCC (Biological study); POPS (Preparation); USES (Uses)
 [target compd., prep. of pyrrolopyrimidinamines as protein kinase
 inhibitors]
 HN 262437-89-6 CAPLUS
 CH 4-{4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-
 y]- (CA INDEX NAME)



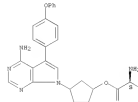
HN 262433-52-3 CAPLUS
 CH Cyclohexanone,
 4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-
 y]- (CA INDEX NAME)



HN 262443-46-3 CAPLUS
 CH Glycine, 3-[4-amino-3-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-
 y]cyclopentyl ester, monohydrochloride (PCT) (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 262441-76-9P 262441-77-0P 262441-78-1P
 262441-79-2P 262441-81-4P 262441-83-8P
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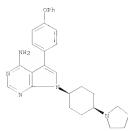
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 262441-47-4 CAPLUS
 CH L-Valine, 3-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-
 y]cyclopentyl ester, monohydrochloride (PCT) (CA INDEX NAME)
 Absolute stereochemistry.



HN 262444-48-3 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-(4-phenoxyphenyl)-7-[4-
 pyrrolidinyl]cyclohexyl]- (CA INDEX NAME)
 Relative stereochemistry.

HN 262444-48-3 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[4-(4-phenoxyphenyl)-7-[4-
 pyrrolidinyl]cyclohexyl]- (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

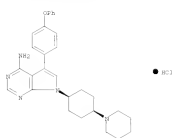


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NN  262441-50-9  CAPLUS
CN  7E-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-(4-phenoxyphe-
    nyl)-7-[cis-4-(1-
    piperidinyl)cyclohexyl]-, monohydrochloride (9CI)  (CA INDEX NAME)

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Relative stereochemistry.



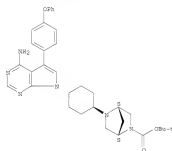
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320 262441-51-0 CAPLUS
CN 7E-Pyrrolo[2,3-d]pyrididin-4-anine,
7-[trans-4-(dimethylamino)cyclohexyl]-
5-(4-phenoxyphehyl)- (CA INDEX NAME)

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Relative stereochemistry.

1.5 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)
Absolute stereochemistry.

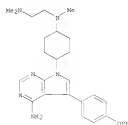


920 262441-66-7 CAPLDB
 C20 1,2-Ethanediame, N-[cis-4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-b
 [1:3]pyrimidin-7-yl]cyclohexyl]-N,N',N'-trimethyl-, (2E)-2-butenediamide
 [1:3]
 [SC1] [CA INDEX NAME]

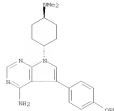
9: 2

CRJ 262441-65-6

Relative stereochemistry.

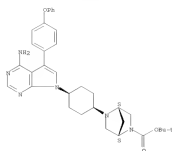


15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



262441-61-2 CAPLOS
2,5-Diazabicyclo[2.2.1]heptane-2-carboxylic acid, 5-[cis-4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-, 1,1-dimethylethyl ester, (1S,4S)- (CA INDEX NAME)

Absolute stereochemistry.



RN 262441-63-4 CAPLUS
 CN 2,5-Diazabicyclo[2.2.1]heptane-2-carboxylic acid,
 5-[trans-4-[4-amino-5-[4-(
 phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-,
 1,3-dimethylethyl ester, (1S,4S)- (CA INDEX NAME)

1.5 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)
ON 2

C882 110-16-7

C4 H4 O4

Double bond geometry as shown.

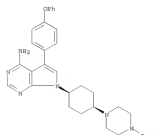


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NN  262441-67-8  CAPLUS
CN  7H-Pyrrolo[2,3-d]pyridin-4-amine, 7-[cis-4-[4-(1-methylethyl)-1-
    piperazinyl]cyclohexyl]-5-(4-phenoxyphe- (CA INDEX NAME)

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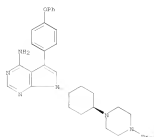
Relative stereochemistry.



EN 262441-69-0 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[trans-4-[4-(1-methylethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)

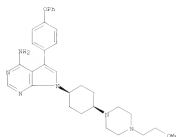
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



3N 262441-71-4 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-6-[4-(2-methoxyethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenylphenyl)- (CA INDEX NAME)

Relative stereochemistry.



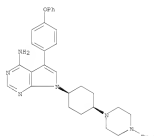
3N 262441-73-6 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-6-[4-(2-methoxyethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenylphenyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 1
 CN 262441-67-8
 CNP C31 H39 NH O

Relative stereochemistry.



CN 2
 CN 210-16-7
 CNP C4 H4 O4

Double bond geometry as shown.

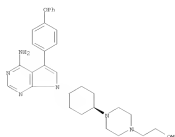


3N 262441-77-0 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-6-[4-(1-methylethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenylphenyl)-, (2E)-2-butenedioate (1:3) (CA INDEX NAME)

CN 1
 CN 262441-69-0
 CNP C31 H39 NH O

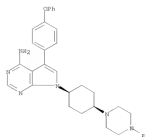
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



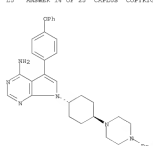
3N 262441-75-8 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-6-[4-ethyl-1-piperazinyl]cyclohexyl]-5-(4-phenylphenyl)- (CA INDEX NAME)

Relative stereochemistry.



3N 262441-76-9 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-6-[4-(1-methylethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenylphenyl)-, (2E)-2-butenedioate (1:3) (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 2
 CN 110-16-7
 CNP C4 H4 O4

Double bond geometry as shown.

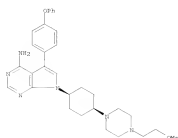


3N 262441-78-1 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-6-[4-(2-methoxyethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenylphenyl)-, (2E)-2-butenedioate (1:3) (CA INDEX NAME)

CN 1
 CN 262441-71-4
 CNP C31 H39 NH O

Relative stereochemistry.

L5 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CM 2
 CRR 110-16-7
 CRR C4 R4 O4

Double bond geometry as shown.

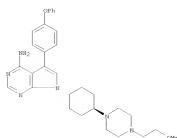


RR 262441-79-2 CAPLOS
 CM 78-Pyrazole[2,3-d]pyrimidin-6-amine, 7-[{trans-4-[4-(2-methoxyethyl)-1-pyrazol-5-yl]phenyl}-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:3)
 (CA INDEX NAME)

CM 1
 CRR 262441-73-6
 CRR C31 R31 N6 O2

Relative stereochemistry.

L5 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CM 2
 CRR 110-16-7
 CRR C4 R4 O4

Double bond geometry as shown.

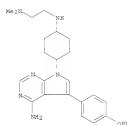


RR 262441-81-6 CAPLOS
 CM 1,2-Bis(hexamethylene, N'-[bis-4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrazol-2,3-d]pyrimidin-7-yl]cyclohexyl]-N,N-dimethyl-, (2S)-2-butenedioate (1:3)
 (3CI) (CA INDEX NAME)

CM 1
 CRR 262441-80-5
 CRR C28 R24 N6 O

Relative stereochemistry.

L5 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CM 2
 CRR 110-16-7
 CRR C4 R4 O4

Double bond geometry as shown.

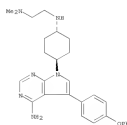


RR 262441-83-9 CAPLOS
 CM 1,2-Bis(hexamethylene, N'-[bis-4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrazol-2,3-d]pyrimidin-7-yl]cyclohexyl]-N,N-dimethyl-, (2S)-2-butenedioate (1:3)
 (3CI) (CA INDEX NAME)

CM 1
 CRR 262441-82-7
 CRR C28 R24 N6 O

Relative stereochemistry.

L5 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CM 2
 CRR 110-16-7
 CRR C4 R4 O4

Double bond geometry as shown.

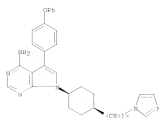


RR 262441-85-0 CAPLOS
 CM 78-Pyrazole[2,3-d]pyrimidin-6-amine, 7-[bis-4-[3-(1H-imidazol-1-yl)propyl]cyclohexyl]-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:3)
 (CA INDEX NAME)

CM 1
 CRR 262441-84-9
 CRR C30 R32 N6 O

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CHN 110-16-7
CHT C4 H4 O4

Double bond geometry as shown.

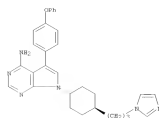


RI 262441-87-2 CAPLUS
CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-{3-[(18-imidazol-1-yl)propyl]cyclohexyl}-5-(4-phenoxyphenyl)-, (2E)-2-butenedioate (1:2)]
(CA INDEX NAME)

CH 1
CHN 262441-86-1
CHT C10 H13 N5 O

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CHN 110-16-7
CHT C4 H4 O4

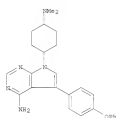
Double bond geometry as shown.



RI 262441-88-3 CAPLUS
CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-{3-[(18-imidazol-1-yl)propyl]cyclohexyl}-5-(4-phenoxyphenyl)-, (2E)-2-butenedioate (1:2)]
(CA INDEX NAME)

Relative stereochemistry.

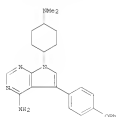
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 262441-89-4 CAPLUS
CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-phenoxyphenyl]-7-[trans-4-{3-[(18-imidazol-1-yl)propyl]cyclohexyl}-5-(4-phenoxyphenyl)-, (2E)-2-butenedioate (1:2)]
(CA INDEX NAME)

CH 1
CHN 262441-88-3
CHT C26 H29 N5 O

Relative stereochemistry.



CH 2
CHN 110-16-7
CHT C4 H4 O4

Double bond geometry as shown.

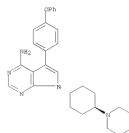
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 262441-91-8 CAPLUS
CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-phenoxyphenyl]-7-[trans-4-{3-[(18-imidazol-1-yl)propyl]cyclohexyl}-5-(4-phenoxyphenyl)-, (2E)-2-butenedioate (1:2)]
(CA INDEX NAME)

CH 1
CHN 262441-90-7
CHT C10 H13 N5 O

Relative stereochemistry.



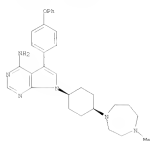
CH 2
CHN 110-16-7
CHT C4 H4 O4

Double bond geometry as shown.



RI 262441-92-9 CAPLUS
CH 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-{3-[(18-imidazol-1-yl)propyl]cyclohexyl}-5-(4-phenoxyphenyl)-, dihydrochloride (9:1)]
(CA INDEX NAME)

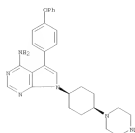
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
Relative stereochemistry.



RN 262441-94-1 CAPLUS
CN 76-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-phenoxyphenyl)-7-[trans-4-(1-piperazinyl)cyclohexyl]-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)
CH 1
CHN 262441-93-0
CHP C28 H32 N6 O

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CHN 110-16-7
CHP C4 H6 O4

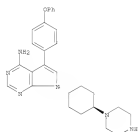
Double bond geometry as shown.



RN 262441-95-2 CAPLUS
CN 76-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-phenoxyphenyl)-7-[trans-4-(1-piperazinyl)cyclohexyl]-, (CA INDEX NAME)

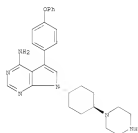
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 262441-94-1 CAPLUS
CN 76-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-phenoxyphenyl)-7-[trans-4-(1-piperazinyl)cyclohexyl]-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)
CH 1
CHN 262441-95-2
CHP C28 H32 N6 O

Relative stereochemistry.



CH 2
CHN 110-16-7

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

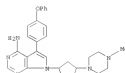
CHP C4 H6 O4

Double bond geometry as shown.



RN 262441-99-5 CAPLUS
CN 76-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[3-(4-methyl-1-piperazinyl)cyclopentyl]-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1
CHN 262441-97-4
CHP C28 H32 N6 O



CH 2
CHN 110-16-7
CHP C4 H6 O4

Double bond geometry as shown.



RN 262441-99-6 CAPLUS
CN Benzenemethanol, 4-(4-aminocyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-, 4-phenyl-, (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



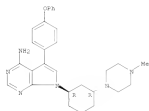
HN 262442-01-7 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(1R,2R)-3-(4-methyl-1-piperazinyl)ethyl]-5-[4-phenoxypheyl]-, rel-, (2S)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CN 1

CHN 262442-02-2

CMF C23 B24 M6 O

Relative stereochemistry.



CN 2

CHN 110-16-7

CMF C4 B4 O4

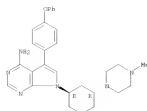
Double bond geometry as shown.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 262442-02-4 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(1R,2R)-3-(4-methyl-1-piperazinyl)ethyl]-5-[4-phenoxypheyl]-, trihydrochloride, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



● 9 BCI

HN 262442-04-6 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(1R,2R)-3-(4-methyl-1-piperazinyl)ethyl]-5-[4-phenoxypheyl]-, rel-, (2S)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

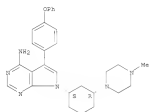
CN 1

CHN 262442-03-5

CMF C23 B24 M6 O

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CHN 110-16-7

CMF C4 B4 O4

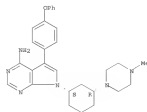
Double bond geometry as shown.



HN 262442-05-7 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(1R,2R)-3-(4-methyl-1-piperazinyl)ethyl]-5-[4-phenoxypheyl]-, trihydrochloride, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



● 9 BCI

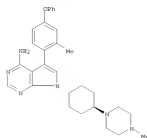
HN 262442-07-9 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-[2-methyl-4-phenoxypheyl]-7-[trans-6-(4-methyl-1-piperazinyl)ethyl]-, (2S)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CN 1

CHN 262442-06-8

CMF C23 B24 M6 O

Relative stereochemistry.



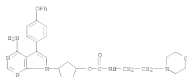
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



HN 261442-08-0 CAPLUS
 CN Benzanide, N-[4-[4-morpholinylethyl]-, 3-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-b]pyridin-5-yl]cyclohexyl ester, monohydrochloride (1:1)
 (CA INDEX NAME)



● HCl

HN 261442-11-5 CAPLUS
 CN Benzanide, N-[4-[4-amino-7-[ole-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-b]pyridin-5-yl]-2-methoxyphenyl]-2,4-difluoro-, (2S)-2-butenediate (1:1) (CA INDEX NAME)

CN 1

CHN 261442-10-4
 CMF C31 H35 F2 N7 O2

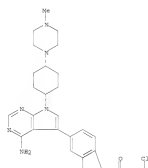
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN Benzanide, N-[4-[4-amino-7-[ole-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-b]pyridin-5-yl]-2-methoxyphenyl]-2,4-dichloro-, (2S)-2-butenediate (1:1) (CA INDEX NAME)

CN 1

CHN 261442-12-6
 CMF C31 H35 Cl2 N7 O2

Relative stereochemistry.



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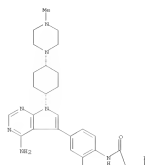
CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



HN 262442-13-7 CAPLUS

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



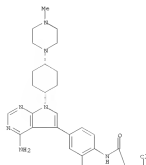
HN 262442-11-9 CAPLUS
 CN Benzanide, N-[4-[4-amino-7-[ole-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-b]pyridin-5-yl]-2-methoxyphenyl]-2,4-dichloro-, (2S)-2-butenediate (1:1) (CA INDEX NAME)

CN 1

CHN 262442-14-8
 CMF C31 H35 Cl2 N7 O2

Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 2

CHN 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



XN 261442-17-1 CAPLUS

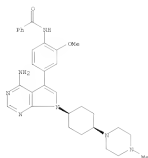
CH Benzanide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, (2S)-2-butenediate (1:1)

(CA INDEX NAME)

CH 1

CHN 262442-16-0
CHF C31 H37 N7 O2

Relative stereochemistry.



CH 2

CHN 110-16-7

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CHF C4 H4 O4

Double bond geometry as shown.



XN 262442-19-3 CAPLUS

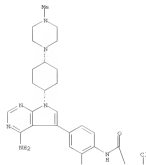
CH Benzanide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,4-dichloro-, (2S)-2-butenediate (1:1:3) (CA INDEX NAME)

CH 1

CHN 262442-19-2
CHF C31 H35 Cl2 N7 O2

Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHN 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



XN 262442-21-7 CAPLUS

CH Benzanide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-chloro-5-(trifluoromethyl)-, (2S)-2-butenediate (1:1:3) (CA INDEX NAME)

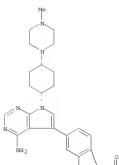
CH 1

CHN 262442-20-6
CHF C32 H35 Cl F3 N7 O2

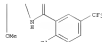
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHN 110-16-7
CHF C4 H4 O4

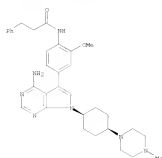
Double bond geometry as shown.



XN 262442-22-8 CAPLUS

CH Benzenesupinanide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, (CA INDEX NAME)

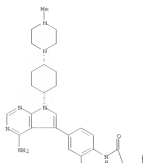
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
Relative stereochemistry.



RI 262442-23-9 CAPLUS
CH Benzanide, N-[4-[(4-amino-7-[(cis-4-(4-methyl-1-piperidinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-5,6-difluoro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
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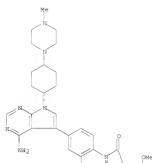
PAGE 2-A



RI 262442-24-0 CAPLUS
CH Benzanide, N-[4-[(4-amino-7-[(cis-4-(4-methyl-1-piperidinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-methoxy- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
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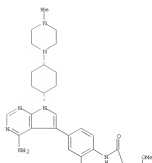
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RI 262442-25-1 CAPLUS
CH Benzanide, N-[4-[(4-amino-7-[(cis-4-(4-methyl-1-piperidinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-5,6-dimethoxy- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
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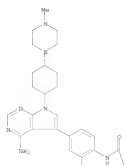


RI 262442-26-2 CAPLUS
CH Benzanide, N-[4-[(4-amino-7-[(cis-4-(4-methyl-1-piperidinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-5,6-dimethoxy- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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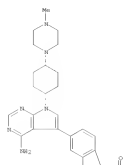


22 262442-27-3 CAPLUS
 CN Benzanide, N-[4-[(4-amino-7-[(cyclohexyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-3-methoxy- (CA INDEX NAME)

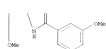
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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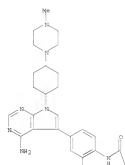


22 262442-28-4 CAPLUS
 CN Benzanide, N-[4-[(4-amino-7-[(cyclohexyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-fluoro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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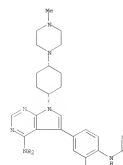


22 262442-29-5 CAPLUS
 CN Benzanide, N-[4-[(4-amino-7-[(cyclohexyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-chloro- (CA INDEX NAME)

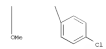
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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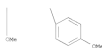
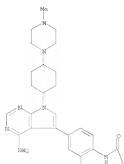


22 262442-30-8 CAPLUS
 CN Benzanide, N-[4-[(4-amino-7-[(cyclohexyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-methoxy- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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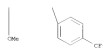
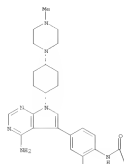
PAGE 2-A

HN 262443-31-3 CAPLUS
 CN Benzanide, N-[4-{4-amino-7-[cis-4-{4-methyl-1-piperazinyl}cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-(trifluoromethyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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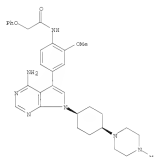


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HN 262442-32-0 CAPLUS
 CN Acetanide, N-[4-{4-amino-7-[cis-4-{4-methyl-1-piperazinyl}cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-phenoxy- (CA INDEX NAME)

Relative stereochemistry.

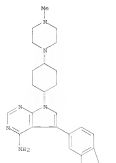
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 262442-33-1 CAPLUS
 CN Acetanide, N-[4-{4-amino-7-[cis-4-{4-methyl-1-piperazinyl}cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-(4-chlorophenoxy)- (CA INDEX NAME)

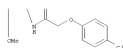
Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

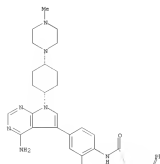
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HN 262442-34-2 CAPLUS
 CN Cyclopropanecarboxanide, N-[4-{4-amino-7-[cis-4-{4-methyl-1-piperazinyl}cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-1-phenyl-, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.

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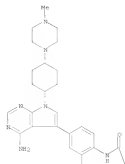
PAGE 2-A

HN 262442-35-3 CAPLUS

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN Benamide, N-[4-[4-amino-7-[[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-cyano- (CA INDEX NAME)

Relative stereochemistry.

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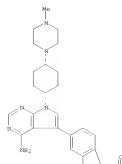


XX 262442-36-4 CAPLUS
 CN Benamide, N-[4-[4-amino-7-[[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-3-nitro- (CA INDEX NAME)

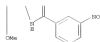
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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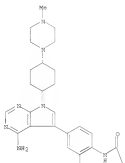


XX 262442-37-5 CAPLUS
 CN Benamide, N-[4-[4-amino-7-[[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-nitro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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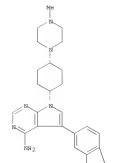


XX 262442-38-6 CAPLUS
 CN Benamide, N-[4-[4-amino-7-[[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-7,8-difluoro- (CA INDEX NAME)

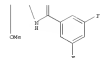
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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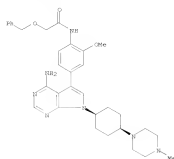
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XX 262442-39-7 CAPLUS
 CN Acetamide, N-[4-[4-amino-7-[[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-(phenylmethyl)- (CA INDEX NAME)

Relative stereochemistry.

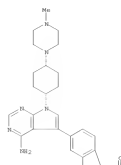
15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



20 262442-40-0 CAPLOS
 CH Benzanide, N-[4-[(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-3-oxo- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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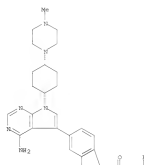
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20 262442-41-1 CAPLOS
 CH Benzanide, N-[4-[(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,3-difluoro- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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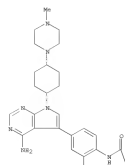
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20 262442-42-2 CAPLOS
 CH 3-Pyridinecarboxamide, N-[4-[(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-6-chloro- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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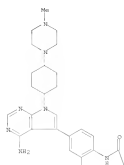
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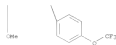
20 262442-43-3 CAPLOS
 CH Benzanide, N-[4-[(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-trifluoromethyl- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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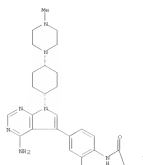


262442-44-4 CAPLOS
 CH Benzanide, N-[4-((4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-2,4,6-trifluoro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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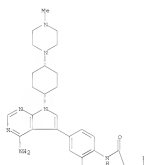


262442-45-5 CAPLOS
 CH Benzanide, N-[4-((4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-2-chloro-6-fluoro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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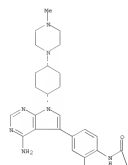


262442-46-6 CAPLOS
 CH Benzanide, N-[4-((4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-4-(dimethylamino)- (CA INDEX NAME)

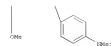
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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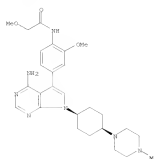
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262442-47-7 CAPLOS
 CH Benzanide, N-[4-((4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-2-methoxy- (CA INDEX NAME)

Relative stereochemistry.

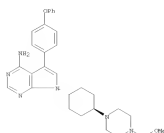
15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



RH 262442-49-9 CAPLOS
 CH 76-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(trans-4-{4-(methoxymethyl)-1-piperidinyl}pyridoxyl)-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:3)]
 (CA INDEX NAME)
 CH 1
 CHH 262442-49-9
 CHF C10 R16 NS O

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

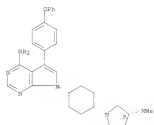


CH 2
 CHH 110-16-7
 CHF C4 H4 O4
 Double bond geometry as shown.



RH 262442-51-7 CAPLOS
 CH 76-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-4-[(7S)-3-(dimethylamino)-1-pyrrolo[2,3-d]pyrimidin-5-yl]-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:3)]
 (CA INDEX NAME)
 CH 1
 CHH 262442-50-2
 CHF C10 R16 NS O
 Absolute stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



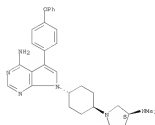
CH 2
 CHH 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



RH 262442-53-5 CAPLOS
 CH 76-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(trans-4-[(7S)-3-(dimethylamino)-1-pyrrolo[2,3-d]pyrimidin-5-yl]-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:3)]
 (CA INDEX NAME)
 CH 1
 CHH 262442-52-4
 CHF C10 R16 NS O
 Absolute stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



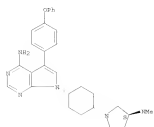
CH 2
 CHH 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



RH 262442-55-7 CAPLOS
 CH 76-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-4-[(7S)-3-(dimethylamino)-1-pyrrolo[2,3-d]pyrimidin-5-yl]-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:3)]
 (CA INDEX NAME)
 CH 1
 CHH 262442-54-6
 CHF C10 R16 NS O
 Absolute stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CHN 110-16-7
CNP C4 H4 O4

Double bond geometry as shown.

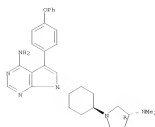


RN 262442-57-9 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(trans-4-[(1H)-3-(dimethylamino)-1-pyrrolidinyl]cyclohexyl]-5-(4-phenoxyphenyl)-, [(2S)-2-butenedioate (1:1)] (CA INDEX NAME)

CH 3
CHN 262442-56-8
CNP C20 H26 N6 O7

Absolute stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CHN 110-16-7
CNP C4 H4 O4

Double bond geometry as shown.

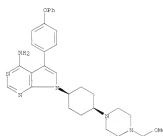


RN 262442-59-1 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(cis-4-[4-(methoxymethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenoxyphenyl)-, [(2S)-2-butenedioate (1:1)] (CA INDEX NAME)

CH 1
CHN 262442-58-0
CNP C20 H26 N6 O7

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CHN 110-16-7
CNP C4 H4 O4

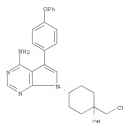
Double bond geometry as shown.



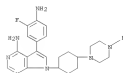
RN 262442-60-4 CAPLUS
CN Cyclohexanecarbonitrile, 6-[(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-5-hydroxy-, cis- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 262442-61-5 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[(4-amino-3-fluorophenyl)-7-[(4-(4-methyl-1-piperazinyl)cyclohexyl)- (CA INDEX NAME)

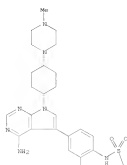


RN 262442-62-6 CAPLUS
CN Benzenesulfonamide, N-[4-[4-amino-7-[(cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-fluoro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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HN 262442-63-7 CAPLOS
 CN Benzeneisulfonamide, N-[4-[4-amino-7-[(1S)-4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl-4-fluoro-, (2E)-2-butenesulfonate (1:1) (CA INDEX NAME)

CN 1

CN 262442-62-6
 CNF C29 H39 F2 N7 O2 S

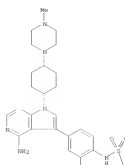
Relative stereochemistry.



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15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



CN 2

CN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



HN 262442-65-9 CAPLOS

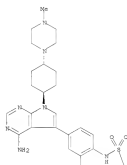
15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

CN Benzeneisulfonamide, N-[4-[4-amino-7-[(trans-4-[4-methyl-1-piperazinyl]cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-(4-fluorophenyl)-4-fluoro-, (2E)-2-butenesulfonate (1:1) (CA INDEX NAME)

CN 1

CN 262442-64-8
 CNF C29 H39 F2 N7 O2 S

Relative stereochemistry.



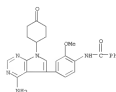
PAGE 1-A

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



HN 262442-78-4 CAPLOS

CN Benzamide,
 N-[4-[4-amino-7-[(4-oxocyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]- (CA INDEX NAME)



HN 262442-80-8 CAPLOS

CN Carbanic acid,
 [4-[4-amino-7-[(trans-4-[4-methyl-1-piperazinyl]cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, phenylmethyl ester, (2E)-2-butenesulfonate (1:1) (SC1) (CA INDEX NAME)

CN 1

CN 262442-78-5
 CNF C32 H39 N7 O2

Relative stereochemistry.



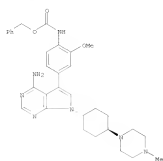
PAGE 2-A

CN 2

CN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CIN 110-16-7

CIP C4 H4 O4

Double bond geometry as shown.



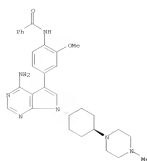
R2 263442-51-9 CAPLOS

CN Benzamide,

N-[4-(4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



R2 263442-53-1 CAPLOS

CN Benzamide,

N-[4-(4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-[1-fluorophenyl]-2-(trifluoromethyl)-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

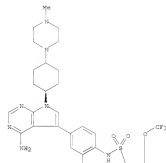
CIN 263442-52-0

CIP C30 H33 F4 N7 O5 S

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CIN 110-16-7

CIP C4 H4 O4

Double bond geometry as shown.



R2 262442-55-3 CAPLOS

CN 2-Thiophenecarboxamide,

N-[4-(4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-chloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

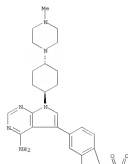
CN 1

CIN 262442-54-2

CIP C27 H31 Cl F N7 O2 S2

Relative stereochemistry.

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CN 2

CIN 110-16-7

CIP C4 H4 O4

Double bond geometry as shown.



15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RD 262442-88-4 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-4-fluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

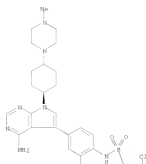
CH 1

CHF 262442-97-5

CHF C29 R32 C1 F2 N7 O2 S

Relative stereochemistry.

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CH 2

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2

CHF 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.



RD 262442-93-3 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-4-fluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1

CHF 262442-92-2

CHF C29 R32 C1 F2 N7 O2 S

Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CHF 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.



CH 1

CHF 262442-91-1 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,3-dichloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

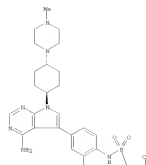
CH 1

CHF 262442-90-0

CHF C29 R32 C12 F N7 O2 S

Relative stereochemistry.

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CH 2

CHF 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.

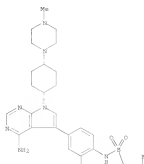


RD 262442-95-5 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,6-difluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

CHN 262442-94-6
 CNF C29 H32 F3 N7 O2 S

Relative stereochemistry.



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CHN 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



PAGE 2-A

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CHN 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



20 262443-02-5 CAPLOS
 CHN 2,1,7-benzoxadiazole-6-sulfonamide,
 N-[4-[4-amino-7-(trans-4-(4-methyl-1-
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-
 (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CHN 1
 CHN 262443-99-9
 CNF C29 H32 F4 N9 O2 S2

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

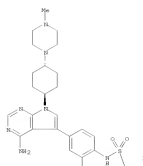


20 262442-97-7 CAPLOS
 CHN Benzoxadiazole, N-[4-[4-amino-7-(trans-4-(4-methyl-1-
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-
 2,4-difluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

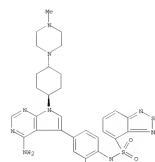
CHN 1
 CHN 262442-96-6
 CNF C29 H32 F3 N7 O2 S

Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



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CHN 2
 CHN 110-16-7
 CNF C4 H4 O4

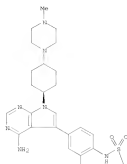
Double bond geometry as shown.



20 262443-02-8 CAPLOS
 CHN Benzoxadiazole, N-[4-[4-amino-7-(trans-4-(4-methyl-1-
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-
 2,4,4-trifluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CHN 1
 CHN 262443-02-7
 CNF C29 H31 F4 N7 O2 S

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
Relative stereochemistry.



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CH 2
CHN 110-16-7
CHF C4 R4 O4

Double bond geometry as shown.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

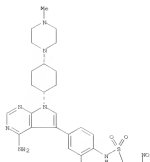


BN 262443-05-0 CAPLUS
CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-fluor-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1
CHN 262443-04-9
CHF C19 R13 F R8 O4 S

Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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CH 2
CHN 110-16-7
CHF C4 R4 O4

Double bond geometry as shown.

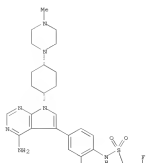


BN 262443-01-2 CAPLUS
CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-fluor-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1
CHN 262443-06-1
CHF C19 R13 F2 N7 O2 S

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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CH 2
CHN 110-16-7
CHF C4 R4 O4

Double bond geometry as shown.



BN 262443-09-4 CAPLUS
CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4,6-trichloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

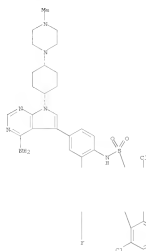
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 1

CHN 262443-08-3

CMF C29 H33 Cl3 F N7 O2 S

Relative stereochemistry.



CH 2

CHN 110-16-7

CMF C4 H4 O4

Double bond geometry as shown.



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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



2N 262443-11-8 CAPLUS

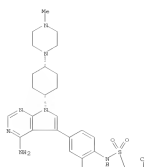
CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperidin-1-yl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,6-dichloro-, (2S)-2-butenesulfonate (1:1) (CA INDEX NAME)

CH 1

CHN 262443-10-7

CMF C29 H33 Cl3 F N7 O2 S

Relative stereochemistry.



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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 1

CHN 110-16-7

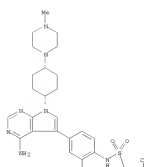
CMF C4 H4 O4

Double bond geometry as shown.



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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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2N 262443-12-0 CAPLUS
CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperidin-1-yl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-, (2S)-2-butenesulfonate (1:1) (CA INDEX NAME)

CH 1

CHN 262443-12-9

CMF C29 H33 Cl3 F N7 O2 S

Relative stereochemistry.



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CH 2

CHN 110-16-7

CMF C4 H4 O4

Double bond geometry as shown.



2N 262443-15-2 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperidin-1-yl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-fluoro-, (2S)-2-butenesulfonate (1:1) (CA INDEX NAME)

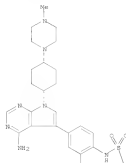
15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CHN 262443-16-1
 CMF C29 R13 F2 N7 O2 S

Relative stereochemistry.

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CN 2

CHN 110-16-7
 CMF C4 R4 O4

Double bond geometry as shown.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



BN 262443-17-4 CAPLOS

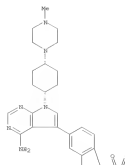
CN 2-Thiophenesulfonamide, N-[4-[4-amino-7-[cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-chloro-, (2S)-2-butenedioate (112) (CA 1804X 10M6)

CN 1

CHN 262443-16-3
 CMF C27 R13 C1 F N7 O2 S2

Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



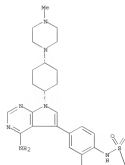
CN 2

CHN 110-16-7
 CMF C4 R4 O4

Double bond geometry as shown.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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BN 262443-19-6 CAPLOS

CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-bromo-2,5-difluoro-, (2S)-2-butenedioate (113) (CA 1804X 10M6)

CN 1

CHN 262443-18-5
 CMF C29 R17 Br F2 N7 O2 S

Relative stereochemistry.

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CN 2

CHN 110-16-7
 CMF C4 R4 O4

Double bond geometry as shown.



BN 262443-21-0 CAPLOS

CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

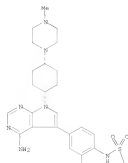
chloro-4-fluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1

CHN 262443-20-9

CMF C29 R32 C1 F2 N7 O2 S

Relative stereochemistry.



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CH 2

CHN 110-36-7

CMF C4 H4 O4

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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CH 2

CHN 110-36-7

CMF C4 H4 O4

Double bond geometry as shown.



20 262443-25-4 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-(trifluoromethoxy)-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1

CHN 262443-24-3

CMF C30 R33 F4 N7 O3 S

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Double bond geometry as shown.



20 262443-23-2 CAPLUS

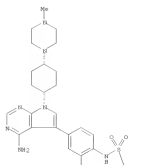
CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-butoxy-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1

CHN 262443-22-1

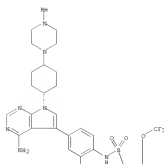
CMF C29 R33 F 1 N7 O2 S

Relative stereochemistry.



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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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CH 2

CHN 110-36-7

CMF C4 H4 O4

Double bond geometry as shown.



20 262443-21-4 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,3-dichloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

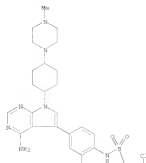
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 1

CHR 24243-24-5

CHF C29 H32 Cl2 F N7 O2 S

Relative stereochemistry.



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CH 2

CHR 110-14-7

CHF C4 H4 O4

Double bond geometry as shown.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 2

CHR 110-14-7

CHF C4 H4 O4

Double bond geometry as shown.



20 24243-31-2 CAPLUS
CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-4-cyano-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1

CHR 24243-30-1

CHF C30 H32 Cl1 F N8 O2 S

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



20 24243-29-8 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-4-methyl-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

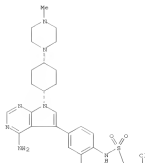
CH 1

CHR 24243-28-7

CHF C30 H35 Cl1 F N7 O2 S

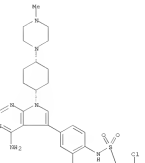
Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHR 110-14-7

CHF C4 H4 O4

Double bond geometry as shown.



20 24243-34-5 CAPLUS

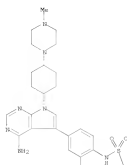
CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,3,4-trifluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 1

CHN 262443-33-4
CIP C29 R32 F4 N7 O2 S

Relative stereochemistry.



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CH 2

CHN 110-16-7
CIP C4 H4 O4

Double bond geometry as shown.



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CH 2

CHN 110-16-7
CIP C4 H4 O4

Double bond geometry as shown.



RII 262443-40-3 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-bromo-2-fluoro-, (2S)-2-butenedioate (1:1) (CA 130633 30M6)

CH 1

CHN 262443-39-0
CIP C29 R32 R4 F2 N7 O2 S

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RII 262443-37-8 CAPLUS

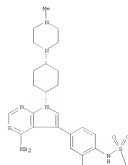
CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-7,4-difluoro-, (2S)-2-butenedioate (1:1) (CA 130633 30M6)

CH 1

CHN 262443-36-7
CIP C29 R32 F2 N7 O2 S

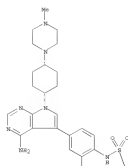
Relative stereochemistry.

PAGE 1-A



15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



PAGE 2-A



CH 2

CHN 110-16-7
CIP C4 H4 O4

Double bond geometry as shown.



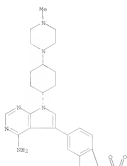
RII 262443-42-5 CAPLUS

CH 2-Thiophenesulfonamide, N-[4-[4-amino-7-[cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-bromo-, (2S)-2-butenedioate (1:1) (CA 130633 30M6)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 1
 CHN 262443-41-6
 CNF C27 H33 Br F N7 O2 S2

Relative stereochemistry.



PAGE 1-A



PAGE 2-A

CH 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



PAGE 2-A

CH 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



20 262443-41-2 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[(cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,3,4-trichloro-, (2S)-2-butenedioate (1:1) (CA 33084 NMS)

CH 1
 CHN 262443-46-2
 CNF C29 H33 Cl3 F N7 O2 S

Relative stereochemistry.



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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

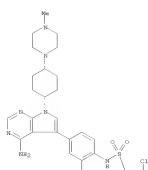


20 262443-44-7 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[(cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4-dichloro-, (2S)-2-butenedioate (1:1) (CA 33084 NMS)

CH 1
 CHN 262443-43-6
 CNF C29 H33 Cl2 F N7 O2 S

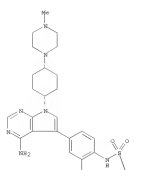
Relative stereochemistry.

PAGE 1-A



15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



20 262443-49-2 CAPLUS
 CH 2-Thiophenesulfonamide, N-[4-[4-amino-7-[(cis-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-

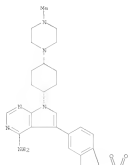
15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)
bruno-3-chloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1

CHN 262443-48-3
CMF C17 N30 Br Cl F N7 O2 S2

Relative stereochemistry.

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CH 2

CHN 110-16-7
CMF C4 H4 O4

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

CH 2

CHN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.



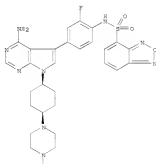
20 262443-53-8 CAPLOS
CH 2,1,7-Benzothiadiazole-4-sulfonamide, N-[4-[4-amino-7-[(nir-4-(4-methyl-1-piperidin-1-yl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1

CHN 262443-52-7
CMF C29 H32 F N9 O3 S

Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)
Double bond geometry as shown.



20 262443-51-6 CAPLOS

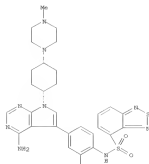
CH 2,1,7-Benzothiadiazole-4-sulfonamide, N-[4-[4-amino-7-[(nir-4-(4-methyl-1-piperidin-1-yl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1

CHN 262443-50-5
CMF C29 H32 F N9 O2 S2

Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



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CH 2

CHN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.



20 262443-55-8 CAPLOS

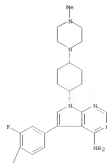
CH 2,1,7-Benzothiadiazole-4-sulfonamide, N-[4-[4-amino-7-[(nir-4-(4-methyl-1-piperidin-1-yl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-7-chloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1

CHN 262443-54-9
CMF C29 H31 Cl F N9 O3 S

Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2

CHN 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.



IN 262443-57-2 CAPLUS
 CH 2,1,3-Benzothiadiazole-6-sulfonamide, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-methyl-, [(2S)-2-butenedioate (1:1)] (CA INDEX NAME)

CH 1

CHN 262443-56-1

CHF C30 H34 F N9 O2 S2

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



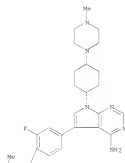
IN 262443-59-4 CAPLUS
 CH 2,1,3-Benzothiadiazole-6-sulfonamide, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-methyl-, [(2S)-2-butenedioate (1:1)] (CA INDEX NAME)

CH 1

CHN 262443-58-3

CHF C30 H34 F N9 O2 S2

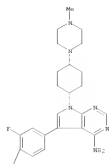
Relative stereochemistry.



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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHN 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHN 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.



IN 262443-61-8 CAPLUS
 CH 2,1,3-Benzothiadiazole-6-sulfonamide, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-chloro-, [(2S)-2-butenedioate (1:1)] (CA INDEX NAME)

CH 1

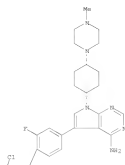
CHN 262443-60-7

CHF C29 H33 Cl F N9 O2 S2

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
CHN 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
CHN 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



20 262443-65-2 CAPLUS
CH Benzenesulfonamide, N-[4-[4-amino-7-[(cis-4-(4-methyl-3-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-bromo-, [(2S)-2-butenedioate (1:3)] (CA INDEX NAME)

CH 1
CHN 262443-64-1
CHF C29 H33 Br F N7 O2 S

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

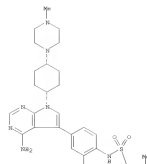


20 262443-63-0 CAPLUS
CH Benzenesulfonamide, N-[4-[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-2-methyl-, [(2S)-2-butenedioate (1:3)] (CA INDEX NAME)

CH 1
CHN 262443-62-9
CHF C30 H35 Cl F N7 O2 S

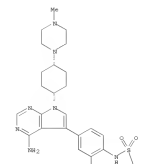
Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
CHN 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



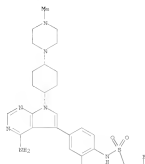
20 262443-61-4 CAPLUS
CH Benzenesulfonamide, N-[4-[4-amino-7-[(cis-4-(4-methyl-3-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,5-dibromo-3,6-difluoro-, [(2S)-2-butenedioate (1:3)] (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 1

CHN 262443-66-3
CHP C29 H30 N2 F3 N7 O2 S

Relative stereochemistry.



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CH 2

CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 2

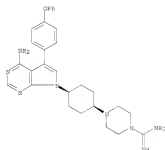
CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.



RII 262443-70-9 CAPLUS
CH 3-piperazinecarboximidamide, 4-[[4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-

Relative stereochemistry.



RII 262443-71-0 CAPLUS
CH 3-piperazinecarboximidamide, 4-[[trans-4-[[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



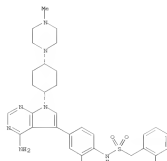
RII 262443-69-6 CAPLUS
CH Benzotriazene sulfonamide, N-[[4-[[4-amino-7-[[cis-4-[[4-methyl-2-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-nitro-, (2S)-2-butenedioate (1:1)]

CH 1

CHN 262443-69-5
CHP C70 H55 F3 N9 O4 S

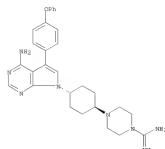
Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

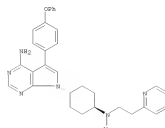


RII 262443-72-2 CAPLUS
CH 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[[trans-4-[[methyl[2-(2-pyridinylethyl)amino]cyclohexyl]-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:1)]

CH 1

CHN 262443-72-1
CHP C22 H24 N6 O

Relative stereochemistry.



CH 2

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

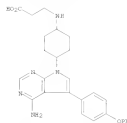
CHN 110-16-7
 OMF C4 H4 O4

Double bond geometry as shown.



RR 261441-74-3 CAPLUS
 CH β -Alanine, N-[4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.



RR 261441-75-4 CAPLUS
 CH β -Alanine, N-[4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]- (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

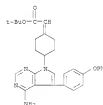
Double bond geometry as shown.



RR 261441-76-7 CAPLUS
 CH Acetonitrile,
 [4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexylidene]- (PCI) (CA INDEX NAME)

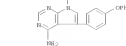


RR 261441-79-8 CAPLUS
 CH Acetic acid,
 [4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexylidene]-, 1,1-dimethylethyl ester (PCI) (CA INDEX NAME)



RR 261441-80-1 CAPLUS
 CH Acetic acid,
 [4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexylidene]-, ethyl ester (PCI) (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



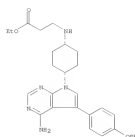
RR 261443-77-6 CAPLUS
 CH β -Alanine, N-[4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]-, ethyl ester, (2S)-2-butenedioate (1:2) (PCI) (CA INDEX NAME)

CH 1

CHN 261443-76-5

OMF C23 H27 N5 O5

Relative stereochemistry.

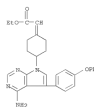


CH 2

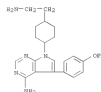
CHN 110-16-7

OMF C4 H4 O4

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



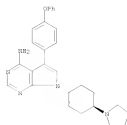
RR 261443-82-3 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[4-(2-aminoethyl)cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)



RR 261443-83-4 CAPLUS
 CH Cyclohexanecarboxylic acid, 4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)- (CA INDEX NAME)



15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 R1 262443-84-5 CAPLUS
 C1 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-phenoxyphenyl)-7-[trans-4-(1-pyrrolidinyl)cyclohexyl]- (CA INDEX NAME)
 Relative stereochemistry.



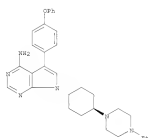
R1 262443-86-7 CAPLUS
 C1 2,2-Dichloroethane,
 N-[trans-4-[(4-amino-5-(4-phenoxyphenyl)-78-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]-N,N'-bis(1-ethyl-1H-imidazol-2-yl)-2-butenedioate (1:2)]
 (IC1) (CA INDEX NAME)

CH 1

CH1 262443-85-6
 CHF C29 H36 N6 O

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

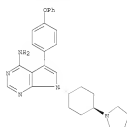


R1 262443-88-3 CAPLUS
 C1 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-phenoxyphenyl)-7-[trans-4-(1-pyrrolidinyl)cyclohexyl]-, (2E)-2-butenedioate (1:2) (CA INDEX NAME)

CH 1

CH1 262443-84-5
 CHF C28 H32 N6 O

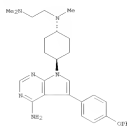
Relative stereochemistry.



CH 2

CH1 110-16-7
 CHF C4 H4 O4

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2

CH1 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



R1 262443-87-8 CAPLUS
 C1 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-(4-ethyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)

Relative stereochemistry.

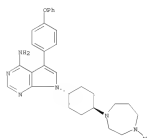
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Double bond geometry as shown.



R1 262443-90-3 CAPLUS
 C1 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-(benzylidene-6-methyl-1H-1,4-diazepin-1-yl)cyclohexyl]-5-(4-phenoxyphenyl)-, dihydrochloride (1:1)
 (CA INDEX NAME)

Relative stereochemistry.



●●● IC1

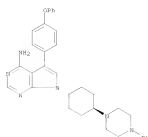
R1 262443-93-6 CAPLUS
 C1 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-(4-ethyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxyphenyl)-, (2E)-2-butenedioate (1:2)
 (CA INDEX NAME)

CH 1

CH1 262443-87-8
 CHF C30 H36 N6 O

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CHN 110-16-7
CNP C4 H4 O4

Double bond geometry as shown.

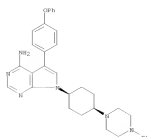


HN 262443-95-9 CAPLUS
CH 78-Pyrrole[2,3-d]pyrimidin-6-amine, 7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxypheyl)-, (2E)-2-butenedioate (1:3) (CA INDEX NAME)

CH 2
CHN 262443-75-9
CNP C30 H36 N6 O

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CHN 110-16-7
CNP C4 H4 O4

Double bond geometry as shown.

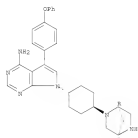


HN 262443-98-1 CAPLUS
CH 78-Pyrrole[2,3-d]pyrimidin-6-amine, 7-[trans-4-(1R,4R)-2,5-diazabicyclo[2.2.1]hept-2-ylcyclohexyl]-5-(4-phenoxypheyl)-, (2E)-2-butenedioate (1:3) (CA INDEX NAME)

CH 2
CHN 262443-97-0
CNP C32 H32 N6 O

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CHN 110-16-7
CNP C4 H4 O4

Double bond geometry as shown.

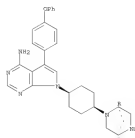


HN 262444-00-8 CAPLUS
CH 78-Pyrrole[2,3-d]pyrimidin-6-amine, 7-[cis-4-(1R,4R)-2,5-diazabicyclo[2.2.1]hept-2-ylcyclohexyl]-5-(4-phenoxypheyl)-, (2E)-2-butenedioate (1:3) (CA INDEX NAME)

CH 2
CHN 262443-99-2
CNP C32 H32 N6 O

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
CHN 110-16-7
CNP C4 H4 O4

Double bond geometry as shown.

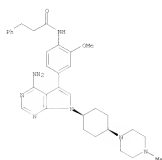


HN 262444-01-9 CAPLUS
CH Benzenepropionamide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-78-pyrrole[2,3-d]pyrimidin-5-yl)-3-methoxyphenyl]-, (2E)-2-butenedioate (1:3) (CA INDEX NAME)

CH 2
CHN 262442-22-8
CNP C32 H41 N7 O2

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CNS 110-16-7

CMF C4 B4 O4

Double bond geometry as shown.

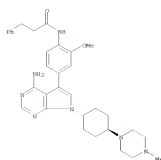


RR 262444-02-0 CAPLUS

CN Benzotriazepanamide, N-[4-[4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RR 262444-03-1 CAPLUS

CN Benzotriazepanamide, N-[4-[4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]- (CA INDEX NAME)

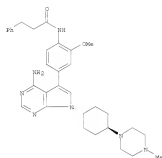
CN 1

CNS 262444-02-0

CMF C33 B41 B7 G2

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CNS 110-16-7

CMF C4 B4 O4

Double bond geometry as shown.

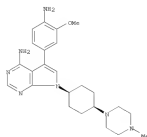


RR 262444-05-3 CAPLUS

CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[(4-amino-3-methoxyphenyl)-7-[(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

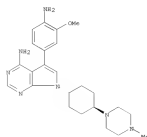
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RR 262444-06-4 CAPLUS

CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 2-[(4-amino-3-methoxyphenyl)-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

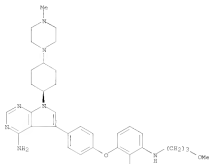


RR 262444-07-5 CAPLUS

CN Cyclohexanecarboxamide, 4-[4-amino-5-[(4-phenoxycyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-3-hydroxy-, trans- (CA INDEX NAME)

Relative stereochemistry.

15 ANSHER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CNF C14 R42 NR OZ
 Relative stereochemistry.



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CN 2
 C3N 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.



NR 262444-79-7 CAPLUS
 CN Benzonitrile, 2-amino-6-[4-(4-amino-7-[(cis-4-(4-methyl-1-

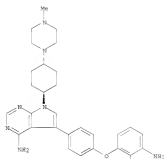
15 ANSHER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



NR 262444-77-9 CAPLUS
 CN Benzonitrile, 2-amino-6-[4-(4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyridin-5-yl]phenyl)-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1
 C3N 262444-76-9
 CNF C10 R14 NR O

Relative stereochemistry.



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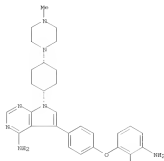
CN 2
 C3N 110-16-7
 CNF C4 R4 O4

15 ANSHER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyridin-5-yl]phenyl-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1
 C3N 262444-76-9
 CNF C10 R14 NR O

Relative stereochemistry.

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CN 2
 C3N 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.

15 ANSHER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Double bond geometry as shown.

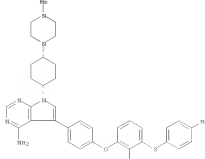


NR 262444-79-1 CAPLUS
 CN Benzonitrile, 2-[4-(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyridin-5-yl]phenyl)thio]-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1
 C3N 262444-78-0
 CNF C17 R19 NR O 8

Relative stereochemistry.

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CN 2

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CBR 110-16-7
 CNF C4 H4 O4

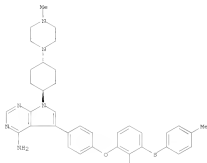
Double bond geometry as shown.



BR 262444-81-5 CAPLUS
 CN Benzonitrile,
 2-[4-(4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-
 7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]-6-[(4-methylphenyl)thio],
 (2E)-2-butenedioate (1:3) (CA INDEX NAME)

CN 1
 CBR 262444-80-6
 CNF C37 H39 N7 O 8

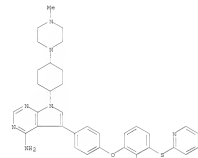
Relative stereochemistry.



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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2
 CBR 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



BR 262444-85-3 CAPLUS
 CN Benzonitrile,
 2-[4-(4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-
 7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]-6-[(2-pyridinyl)thio],
 (2E)-2-butenedioate (1:3) (CA INDEX NAME)

CN 1
 CBR 262444-84-8

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2
 CBR 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



BR 262444-83-7 CAPLUS
 CN Benzonitrile, 3-[4-[(4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-
 7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenyl]-4-(2-pyridinylthio),
 (2E)-2-butenedioate (1:3) (CA INDEX NAME)

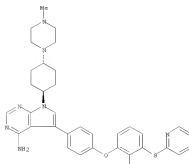
CN 1
 CBR 262444-82-6
 CNF C35 H34 N6 O 8

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Relative stereochemistry.

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CN 2
 CBR 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



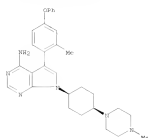
BR 262444-87-3 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine,
 5-[2-methyl-4-phenoxypheyl]-7-[4-(4-methyl-1-piperazinyl)cyclohexyl]-,
 (2E)-2-butenedioate (1:3) (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CHN 262444-86-0
 CIP C19 K16 M5 0

Relative stereochemistry.



CN 2

CHN 110-16-7
 CIP C4 H4 04

Double bond geometry as shown.



RR 262444-89-3 CAPLOS

CH Benzimidazole, N-[4-(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl)-2,5-difluoro-, (2S)-2-butenedioate (1:1) (CA 33063 NMR)

CN 1

CHN 262444-89-2
 CIP C19 K17 F2 N7 O2 8

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

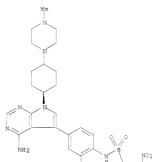
CN

Benzimidazole, N-[4-(4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl)-2-nitro-, (2S)-2-butenedioate (1:1) (CA 33063 NMR)

CN 1

CHN 262444-90-6
 CIP C19 K17 F2 N7 O2 8

Relative stereochemistry.



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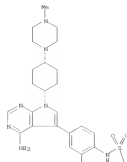
CN 2

CHN 110-16-7
 CIP C4 H4 04

Double bond geometry as shown.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CHN 110-16-7
 CIP C4 H4 04

Double bond geometry as shown.



RR 262444-91-7 CAPLOS

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



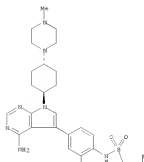
RR 262444-93-9 CAPLOS

CH Benzimidazole, N-[4-(4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl)-2-fluoro-, (2S)-2-butenedioate (1:1) (CA 33063 NMR)

CN 1

CHN 262444-92-8
 CIP C19 K17 F2 N7 O2 8

Relative stereochemistry.



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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 2

CHN 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



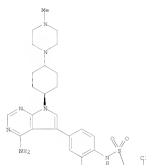
RI 262444-95-1 CAPLUS

CI Benzenesulfonamide, N-[4-[4-amino-7-(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4,6-trichloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 2

CHN 262444-94-0
CHF C29 H31 Cl3 F N7 O2 S

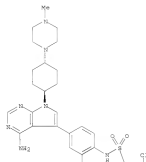
Relative stereochemistry.



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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHN 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



RI 262444-99-3 CAPLUS

CI Benzenesulfonamide, N-[4-[4-amino-7-(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHN 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



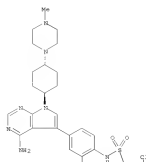
RI 262444-97-3 CAPLUS

CI Benzenesulfonamide, N-[4-[4-amino-7-(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,6-dichloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1

CHN 262444-96-2
CHF C29 H31 Cl2 F N7 O2 S

Relative stereochemistry.



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CH 2

CHN 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

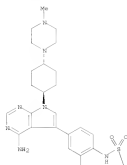


RE 262445-02-2 CAPLOS
 CH Benzeneisofuranone, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-fluoro-, (2S)-2-isocyanatoate (1:1) (CA INDEX NAME)

CH 1
 CHN 262445-02-1
 CHN C29 R23 F2 NT O2 S

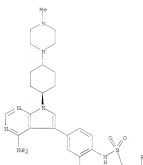
Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
 CHN 110-16-7
 CHN C4 H4 O4

Double bond geometry as shown.



RE 262445-03-6 CAPLOS
 CH Benzeneisofuranone, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
 CHN 110-16-7
 CHN C4 H4 O4

Double bond geometry as shown.



RE 262445-03-4 CAPLOS
 CH Benzeneisofuranone, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-bromo-2,5-difluoro-, (2S)-2-isocyanatoate (1:1) (CA INDEX NAME)

CH 1
 CHN 262445-02-3
 CHN C29 R23 Br F2 NT O2 S

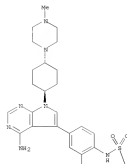
Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

CH 1
 CHN 262445-04-5
 CHN C29 R23 Cl F2 NT O2 S

Relative stereochemistry.

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CH 2
 CHN 110-16-7
 CHN C4 H4 O4

Double bond geometry as shown.

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



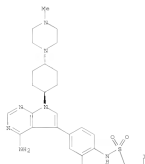
262445-01-9 CAPLOS
 CN Benzene sulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-sulfamoyl-, (2S)-2-isomer (1:1) (CA INDEX NAME)

CN 1

CHN 262445-02-7
 CMF C19 R13 F 1 N7 O2 S

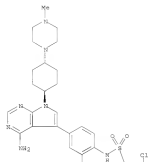
Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



262445-11-4 CAPLOS
 CN Benzene sulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-4-cyano-, (2S)-2-isomer (1:1) (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



262445-09-0 CAPLOS
 CN Benzene sulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-6-methyl-, (2S)-2-isomer (1:1) (CA INDEX NAME)

CN 1

CHN 262445-08-9
 CMF C10 R15 Cl 1 N7 O2 S

Relative stereochemistry.

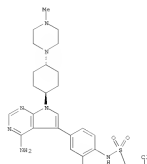
15 ANSWER 14 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CHN 262445-10-3
 CMF C10 R12 Cl 1 N8 O2 S

Relative stereochemistry.

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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



20 262445-11-6 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5,4-difluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

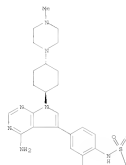
CH 1

CHN 262445-12-5

CHP C29 H33 F7 N7 O2 S

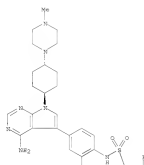
Relative stereochemistry.

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15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHN 110-16-7

CHP C4 H4 O4

Double bond geometry as shown.



20 262445-11-0 CAPLUS
 CH 2-Thiophenecarboxamide, N-[4-[4-amino-7-(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-bromo-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHN 110-16-7

CHP C4 H4 O4

Double bond geometry as shown.



20 262445-15-8 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-(trans-4-(4-methyl-1-piperazinyl)cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-bromo-2-fluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1

CHN 262445-14-7

CHP C29 H33 Br F2 N7 O2 S

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

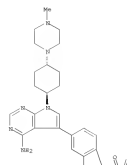
CH 1

CHN 262445-16-9

CHP C27 H31 Br F N7 O2 S2

Relative stereochemistry.

PAGE 2-A



CH 2

CHN 110-16-7

CHP C4 H4 O4

Double bond geometry as shown.



15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

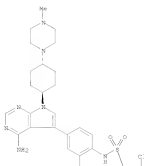
RI 262445-19-2 CAPLUS
 CH Benzenesulfonamide, N-[4-{4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4,4-dichloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1

CHN 262445-19-1
 CHF C29 R32 C12 F N7 O2 S

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

CH 2

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 2-A



CH 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



RI 262445-23-8 CAPLUS
 CH 2-Fluorobenzenesulfonamide, N-[4-{4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-bromo-3-chloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1

CHN 262445-22-7
 CHF C27 R30 R1 C1 F N7 O2 S2

Relative stereochemistry.

PAGE 2-A



CH 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.

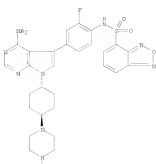


RI 262445-23-8 CAPLUS
 CH 2,1,3-Benzoxadiazole-4-sulfonamide, N-[4-{4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-,

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 (2S)-2-benzenedisulfonate (1:3) (CA INDEX NAME)

CH 1
 CHN 262445-24-9
 CHF C29 H32 F N9 O3 S

Relative stereochemistry.



PAGE 1-A

Me

CH 2
 CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.

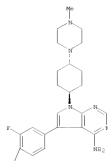
15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 262445-27-2 CAPLUS
 CH 2,1,3-Benzoxadiazole-4-sulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-7-chloro-, (2S)-2-benzenedisulfonate (1:3) (CA INDEX NAME)

CH 1
 CHN 262445-26-1
 CHF C39 H31 Cl F N9 O3 S

Relative stereochemistry.



PAGE 1-A

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
 CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.

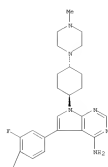


HN 262445-29-4 CAPLUS
 CH 2,1,3-Benzoxadiazole-4-sulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-7-chloro-, (2S)-2-benzenedisulfonate (1:3) (CA INDEX NAME)

CH 1
 CHN 262445-28-3
 CHF C30 H34 F N9 O2 S2

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



PAGE 1-A



PAGE 2-A

CH 2
 CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.

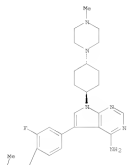


HN 262445-31-8 CAPLUS
 CH 2,1,3-Benzoxadiazole-4-sulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-7-chloro-, (2S)-2-benzenedisulfonate (1:3) (CA INDEX NAME)

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 piperazinyl)cyclohexyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-methyl-, (2S)-2-butenedioate (1:3) (CA 300K NMR)

CH 1
 CHH 262445-30-7
 CNF C10 R14 F R9 O2 S2

Relative stereochemistry.



PAGE 1-A



CH 2

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 2-A



CH 2
 CHH 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.



HN 262445-35-2 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-chloro-2-methyl-, (2S)-2-butenedioate (1:3) (CA 300K NMR)

CH 1
 CHH 262445-35-1
 CNF C30 R35 C1 F N7 O2 S

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CHH 110-16-7
 CNF C4 R4 O4

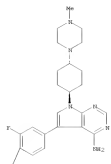
Double bond geometry as shown.



HN 262445-37-0 CAPLUS
 CH 2,1,3-Benzoxadiazole-6-sulfonamide, N-[4-[4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-chloro-, (2S)-2-butenedioate (1:3) (CA 300K NMR)

CH 1
 CHH 262445-32-9
 CNF C29 R31 C1 F N9 O2 S2

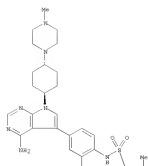
Relative stereochemistry.



PAGE 1-A

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



CH 2
 CHH 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.



HN 262445-37-4 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-methoxy-, (2S)-2-butenedioate (1:3) (CA 300K NMR)

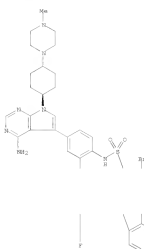
PAGE 2-A

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CHN 262445-36-3
 CHF C29 H33 N F N7 O2 S

Relative stereochemistry.



PAGE 1-A

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



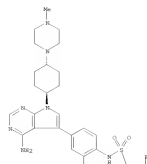
BN 262445-39-6 CAPLUS
 CN Benzenesulfonamide, N-[4-[[4-amino-7-[[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,5-dibromo-1,4-difluoro-, (2S)-2-butenedioate (1:1)] (CA INDEX NAME)

CN 1

CHN 262445-39-5
 CHF C29 H33 N2 F3 N7 O2 S

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

CN 2

CHN 110-36-7
 CHF C4 H4 O4

Double bond geometry as shown.



15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



PAGE 2-A

CN 2

CHN 110-36-7
 CHF C4 H4 O4

Double bond geometry as shown.



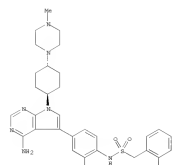
BN 262445-41-0 CAPLUS
 CN Benzenesulfonamide, N-[4-[[4-amino-7-[[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,5-dibromo-, (2S)-2-butenedioate (1:1)] (CA INDEX NAME)

CN 1

CHN 262445-40-9
 CHF C30 H35 F N9 O4 S

Relative stereochemistry.

15 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



PAGE 1-A



PAGE 2-A

CN 2

CHN 110-36-7
 CHF C4 H4 O4

Double bond geometry as shown.



OI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *
 AB Chemical compds. having structural formula 1 and physiol. acceptable salts

15 ABSTRACT 14 OF 25 CAPSULES COPYRIGHT 2007 ACS ON STERN (Continued)

and metabolites thereof, are inhibitors of tyrosine/threonine and tyrosine kinase activity. Several of the kinases, whose activity is inhibited by these then compile, are involved in neuronal, hyperproliferative, or metastatic processes. In particular, compounds capable of modulating states where angiogenesis or endothelial cell hyperproliferation is a factor. These compounds can be used to treat cancer and hyperproliferative disorders, rheumatoid arthritis, disorders of the immune system, transplant rejections and inflammatory disorders. All exemplified compounds

[illegible][illegible]

AS The mol. and crystal structures of the potent and selective lck tyrosine kinase inhibitor, C33E2N4O, were determined by single-crystal x-ray diffraction. The pyrrorolopyrimidine and Ph rings are planar while the cyclopentyl ring adopts a conformation between envelope and half-chair.

The overall conformation is defined by the spatial arrangement of the
 REFg molecules. Crystallog. data are given.
 REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

13 ANIMERA 14 OF CAPLUS COPYRIGHT 2007 ACS ON STD (Continued)
bicyclopoly, cycloalkoxy, azine, heteroamine, heteroalkyl,
heterocyclopoly, heterodibenzyl, heterodiphenyl,
-1010-alkyl,
-1011-alkyl, heterocyclopoly, C10alkyl, or -R-X, wherein R is substituted or
unsubstituted cyclopoly, heterocyclopoly, azine, heteroamine, alkylene,
alkenylene, heteroalkylene, heterocycloalkylene, or heteroalkylene, E is substituted
or unsubstituted azacyclopoly, azacyclopolyheteroalkyl,
azacyclopolyiminoaryl, azacyclopolyalkyl, heteroaryl,
heterocyclopoly,
heteroarylalkenyl, heteroalkenyl, alkyl sulfonamide, aryl sulfonamide,
heterocyclopoly, heteroalkenyl, heteroalkyl, heteroalkenyl, heteroalkyl,
or unsubstituted alkyl, cyclopoly, halogen, -OH, cyano, azine, or
heterocyclopoly, alkyl, heteroalkyl, (C10-20)-SP-45, or
-1012-(C10)R45-5, R3 is substituted or unsubstituted alkyl, alkenyl,
alkynyl, heteroalkyl, heterocyclopoly, heteroalkenyl, heteroalkyl, or
the R and N atom together form a 2, 3, 4, 5, 6 or 7-membered, substituted or
unsubstituted heterocyclopoly, heterocyclopolyalkyl or heteroamine, or R4
is substituted or unsubstituted alkyl, alkenyl, alkynyl, heteroalkyl, heteroalkyl,
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15. ANNIKER 16 OF 25 CAPLOS COPENHAGEN 2007 ACS on STN
ACCESSION NUMBER: 2001.007079
DOCUMENT NUMBER: 135-46450
TITLE: 7-allyl- and 7-cycloalkyl-5-arylsulfonyl-3-
arylsulfonyl-pyrazolones: novel inhibitors of 12-O-
phorbol-13-acetate-13-decylate c-kinase
AUTHOR (S): WILSON, R.J.; GREEN, J.; MASHAKAW, M.J.; SUSK, M.J.
ALTMANN, E.
CORPORATE SOURCE: Artichile and Rose Metabolism Therapeutic Areas,
Novartis Pharma Research, Basel, CH-4002, Basel
SOURCE: Bioorganic & Medicinal Chemistry Letters (2001),
12(10), 849-852
CORPORATE: BMLBS, LBS: 0960-894X
KEYWORDS: Enzyme Inhibitors
FIELD(S): Biological Sciences
DOCUMENT TYPE: Journal Article
ENGLISH: Yes
OTHER SOURCE(S): CASREACT 135: 46150
ZD 154787-44-50 154787-48-50 343529-25-29
343529-36-49 343529-38-49
RAC: RNC (Biological activity or effector, except adenosine); NSU
(Biological)



FN 194787-68-3 CAPLUS
 CN Phenol, 4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)- (C
 TURKEY NAME)



EN 34439-25-7 CAPLOS
CN 7H-Pyrrolo[2,3-d]pyridin-4-amine, 7-cyclopentyl-5-(4-methoxyphenyl)-

L5 ANSWER 16 OF 25 CAPLOS COPYRIGHT 2007 ACS ON STN (Continued)
(CA INDEX NAME)



20 344359-36-3 CAPLOS
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-cyclopentyl-5-(3-methoxyphenyl)-
(CA INDEX NAME)



20 344359-38-5 CAPLOS
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-cyclopentyl-5-(3-methoxyphenyl)-
(CA INDEX NAME)



AB 7-Substituted 5-arypyrrolo[2,3-d]pyrimidines were prepared starting from 6-bromomethylphenolamine. These compounds represent a novel class of potent inhibitors of the tyrosine kinase pp60-src with good specificity towards other tyrosine kinases (EGF-R, v-src).
REFERENCE COPY: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS

L5 ANSWER 17 OF 25 CAPLOS COPYRIGHT 2007 ACS ON STN (Continued)
ACCESSION NUMBER: 2007104379 CAPLOS
DOCUMENT NUMBER: 15335025
TITLE: Preparation of heterocyclic substituted cyclopentane compounds as inhibitors of adenosine kinase
INVENTOR(S): Bhagwat, Shripad S.; Cowart, Marion Daniel
PATENT ASSIGNEE(S): Abbott Laboratories, USA
SOURCE: U.S., 31 pp., Cont.-In-part of U.S. Ser. No. 472,486, abandoned
COMENT: USQUAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 614749	A	20000307	US 1996-633802	19960604
CA 2200206	A1	19961219	CA 1996-220006	19960606
MO 960695	A1	19961219	MO 1996-089042	19960606

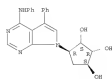
W: CA, JP, HK
NM: AT, BE, CH, DE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
EP 873142 A1 19980228 EP 1996-918151 19960606
EP 873142 B1 20010325
FI: A: AT, BE, CH, DE, ES, FR, GB, GR, IT, LU, MC, NL, SE, PT, IE, JP 2000101694 T 20000215 JP 1997-501456 19960606
AT 200006 T 20010215 AT 1996-918151 19960606
PT 873140 T 20000531 PT 1996-918151 19960606
EE 216479 T3 20000616 EE 1996-918151 19960606
PRIORITY APPS. INFO.: US 1995-470486 US 19950607
US 1996-633802 A 19960604
MO 1996-089042 M 19960606

OTHER SOURCE(S): MNPAT 133:35035
IT 186141-60-6P 186141-61-7P 186142-15-4P
RE: BMC (Biological activity or effector, except adverse); EBU (Biological study, unclassified); EPM (Synthetic preparation); TMO (Therapeutic use); EBU (Biological study); PGP (Preparation); UMS (Use) (Preparation of heterocyclic substituted cyclopentane compounds as inhibitors of adenosine kinase)
EN 186141-60-6 CAPLOS
CN 1,2,3-Cyclopentanetriol, 4-(3-phenyl-4-(phenylamino)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)- (18,23,28,48)- (CA INDEX NAME)

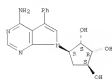
Absolute stereochemistry. Rotation (-).

L5 ANSWER 16 OF 25 CAPLOS COPYRIGHT 2007 ACS ON STN (Continued)
RECORD. ALL CITATIONS AVAILABLE IN THE SE
FORMAT

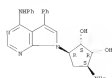
L5 ANSWER 17 OF 25 CAPLOS COPYRIGHT 2007 ACS ON STN (Continued)



20 186141-61-7 CAPLOS
CN 1,2-Cyclopentanediol, 4-(3-phenyl-4-(phenylamino)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)- (18,23,28,48)- (CA INDEX NAME)
Absolute stereochemistry. Rotation (-).



20 186142-15-4 CAPLOS
CN 1,2-Cyclopentanediol, 3-amino-5-[3-phenyl-4-(phenylamino)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)- (18,23,28,48)- (CA INDEX NAME)
Absolute stereochemistry.



61

15 ANSWER 19 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



20 309724-10-5 CAPLUS
CN 7b-Pyrrolo[2,3-d]pyrimidin-6-methanol, 4-amino-7-cyclopentyl-5-(4-phenoxyphe-nyl)- (CA INDEX NAME)

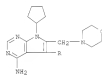


20 309724-11-6 CAPLUS
CN 7b-Pyrrolo[2,3-d]pyrimidin-6-methanol, 4-amino-7-cyclopentyl-5-(4-phenoxyphe-nyl)- (CA INDEX NAME)



20 309724-12-7 CAPLUS
CN 7b-Pyrrolo[2,3-d]pyrimidin-6-methanol, 4-amino-7-cyclopentyl-5-(4-phenoxyphe-nyl)- (CA INDEX NAME)

15 ANSWER 19 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



21 213743-31-8
R1 RAC (Biological activity or effector, except adverse); RPR (Biological process); RBU (Biological study, unclassified); RCT (Reactant); TBU (Therapeutic use); R1OL (Biological study); RROC (Process); RACT (Reactant or reagent); URSR (Uses)

20 213743-31-8 CAPLUS
CN 7b-Pyrrolo[2,3-d]pyrimidin-6-methanol, 4-amino-7-cyclopentyl-5-(4-phenoxyphe-nyl)- (CA INDEX NAME)



AS Pyrrolo[2,3-d]pyrimidines containing a 5-(4-phenoxyphe-nyl) substituent are novel, potent and selective inhibitors of Ick in vitro. Exploration of C-6 position of the pyrrolo[2,3-d]pyrimidine and the terminal Ph group relative-activity relationship (URR) is detailed. Compound 1 is orally active in animal models.

REFERENCES COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

15 ANSWER 18 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



20 309724-13-8 CAPLUS
CN 7b-Pyrrolo[2,3-d]pyrimidin-6-methanol, 4-amino-7-cyclopentyl-5-(4-phenoxyphe-nyl)- (CA INDEX NAME)



20 309724-14-9 CAPLUS
CN 7b-Pyrrolo[2,3-d]pyrimidin-6-methanol, 4-amino-7-cyclopentyl-5-(4-phenoxyphe-nyl)- (CA INDEX NAME)



15 ANSWER 19 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000-06078 CAPLUS
DOCUMENT NUMBER: 13413070
TITLE: Pyrrolo[2,3-d]pyrimidines containing an arylated 5-substituent as potent and selective inhibitors of Ick I
AUTHOR(S): Arnold, L. D.; Calderwood, D. J.; Dixon, R. W.; Johnston, D. H.; Kamens, J. S.; Muenchhaus, R.; Rafferty, P. J.; Rattuck, S. E.
CORPORATE SOURCE: BASF BioResearch Corporation, Worcester, MA, 01605-5214, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2000), 10(19), 2167-2170
CODEN: BMCLEJ; ISSN: 0960-094X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 213743-31-8P 213743-60-7P 213743-62-5P 309729-68-2P 309729-69-3P 309729-70-4P
(Biological activity or effector, except adverse); RBU (Biological study, unclassified); RPR (Biological process); RCT (Reactant); TBU (Therapeutic use); R1OL (Biological study); RROC (Process); RACT (Reactant or reagent); URSR (Uses)

20 213743-31-8 CAPLUS
CN 7b-Pyrrolo[2,3-d]pyrimidin-6-methanol, 4-amino-7-cyclopentyl-5-(4-phenoxyphe-nyl)- (CA INDEX NAME)



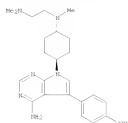
20 213743-60-7 CAPLUS
CN 7b-Pyrrolo[2,3-d]pyrimidin-6-methanol, 4-amino-7-cyclopentyl-5-(4-phenoxyphe-nyl)- (CA INDEX NAME)



15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

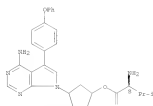
RI 262443-55-6 CAPLUS
 CN 3,2,6-trimethylaniline,
 6-[trans-4-{4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-
 d]pyrimidin-7-yl}cyclohexyl]-N,N,N'-trimethyl- (PCI) (CA INDEX NAME)

Relative stereochemistry.



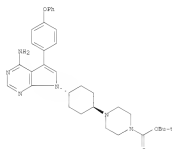
RI 262444-23-5 CAPLUS
 CN L-Valine, 3-{4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-
 y]cyclopentyl} ester (CA INDEX NAME)

Absolute stereochemistry.

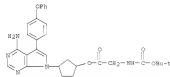


RI 262444-24-6 CAPLUS
 CN Carbanilic acid, 3-{4-morpholinylethyl}-, 3-{4-amino-5-(4-phenoxyphenyl)-
 7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclopentyl ester (PCI) (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



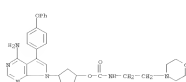
RI 262444-34-8 CAPLUS
 CN Glycine, N-[(2,3-dimethylhexyloxy)carbonyl]-,
 3-{4-amino-5-(4-phenoxyphenyl)-
 7H-pyrrolo[2,3-d]pyrimidin-7-yl}cyclopentyl ester (CA INDEX NAME)



IT 262444-29-1P 262444-55-8P 262444-51-8P
 RI: NCT (Reactant); SPH (Synthetic preparation); PKSP (Preparation); NACT
 (Reactant or reagent)
 (intermediate; preparation of 7H-pyrrolo[2,3-d]pyrimidin-4-amine as
 protein kinase inhibitors)

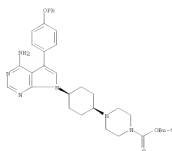
RI 262444-29-1 CAPLUS
 CN Cyclopentanone,
 3-{4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-
 7-yl}- (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



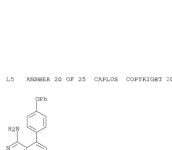
RI 262444-27-9 CAPLUS
 CN 1-Piperazinobenzoylic acid, 4-[cis-4-{4-amino-5-(4-phenoxyphenyl)-7H-
 pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl]-, 3,3-dimethylethyl ester (CA
 INDEX NAME)

Relative stereochemistry.



RI 262444-28-0 CAPLUS
 CN 1-Piperazinobenzoylic acid, 4-[trans-4-{4-amino-5-(4-phenoxyphenyl)-7H-
 pyrrolo[2,3-d]pyrimidin-7-yl}cyclohexyl]-, 3,3-dimethylethyl ester (CA
 INDEX NAME)

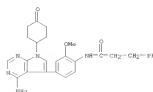
Relative stereochemistry.



RI 262444-50-8 CAPLUS
 CN Cyclohexanone, 4-[4-amino-5-(4-amino-3-methoxyphenyl)-7H-pyrrolo[2,3-
 d]pyrimidin-7-yl]- (CA INDEX NAME)

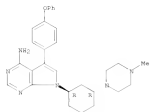


RI 262444-51-9 CAPLUS
 CN Benzenepropanamide, N-[4-{4-amino-7-(4-oxocyclohexyl)-7H-pyrrolo[2,3-
 d]pyrimidin-5-yl}-2-methoxyphenyl]- (CA INDEX NAME)

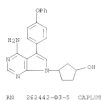


IT 262442-00-2P
 RI: NAC (Biological activity or effector, except adverse); BSO
 (Biological
 study, unclassified); NCT (Reactant); SPH (Synthetic preparation); THU

15 ANSWER 20 OF 25 CAPLUS COPPEKIGHT 2007 ACS ON SYN (Continued)
 [Therapeutic use]; RECO (Biological study); PREP (Preparation); RACT
 [Reactant or reagent]; USES (Uses)
 [Reactant; name; of 78-pyrrolo[2,3-d]pyrimidin-6-amine as protein
 kinase inhibitors]
 EN 261441-09-2 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(1R,3R)-3-(4-methyl-1-
 piperazinyl)cyclohexyl]-5-(4-phenoxyphenyl)-, rel- (CA INDEX NAME)
 Relative stereochemistry.

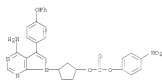


IT 217478-78-3 261441-09-5 261442-79-5
 261444-63-3 261444-65-5
 RL NCT [Reactant]; RACT [Reactant or reagent]
 [Reactant; preparation of 78-pyrrolo[2,3-d]pyrimidin-4-amine as
 protein kinase inhibitors]
 EN 217478-78-1 CAPLUS
 CN Cyclopentanol,
 3-[4-amine-5-(4-phenoxyphenyl)-78-pyrrolo[2,3-d]pyrimidin-7-
 yl]- (CA INDEX NAME)



EN 261442-03-5 CAPLUS

15 ANSWER 20 OF 25 CAPLUS COPPEKIGHT 2007 ACS ON SYN (Continued)
 261444-63-3 CAPLUS
 CN Carboxylic acid,
 3-[4-amine-5-(4-phenoxyphenyl)-78-pyrrolo[2,3-d]pyrimidin-7-
 yl]cyclopentyl 4-nitrophenyl ester (CA INDEX NAME)

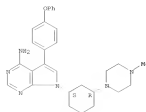


EN 261441-63-5 CAPLUS
 CN Mechanism, [4-(4-aminophenyl)-78-pyrrolo[2,3-d]pyrimidin-5-
 yl]phenylphenyl- (CA INDEX NAME)

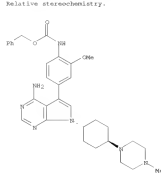


IT 261441-43-9P
 RL NCT [Biological] activity or effector, except adverse; RBU
 [Biological]
 4190; unclassified; NCT [Reactant]; SPM (Synthetic preparation); TMO
 [Therapeutic use]; RECO (Biological study); PREP (Preparation); RACT
 [Reactant or reagent]; USES (Uses)
 [target compound; preparation of 78-pyrrolo[2,3-d]pyrimidin-4-amine
 as protein kinase inhibitors]
 EN 261441-43-6 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-(4-phenoxyphenyl)-7-[(1S,4S)-
 piperidinyl]cyclohexyl]- (CA INDEX NAME)
 Relative stereochemistry.

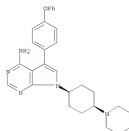
15 ANSWER 20 OF 25 CAPLUS COPPEKIGHT 2007 ACS ON SYN (Continued)
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(1S,2S)-3-(4-methyl-1-
 piperazinyl)cyclohexyl]-5-(4-phenoxyphenyl)-, rel- (CA INDEX NAME)
 Relative stereochemistry.



EN 261442-79-5 CAPLUS
 CN Carboxylic acid,
 [4-(4-amine-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-
 78-pyrrolo[2,3-d]pyrimidin-5-yl]-3-methoxyphenyl]-, phenylmethyl ester
 (9CI) (CA INDEX NAME)
 Relative stereochemistry.

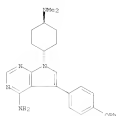


15 ANSWER 20 OF 25 CAPLUS COPPEKIGHT 2007 ACS ON SYN (Continued)



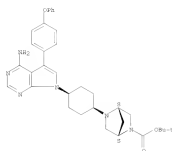
IT 261437-69-4P 261437-82-2P 261441-65-2P
 261441-66-3P 261441-67-4P 261441-68-5P
 261441-50-9P 261441-51-0P 261441-61-2P
 261441-62-4P 261441-66-7P 261441-67-8P
 261441-69-0P 261441-71-6P 261441-73-6P
 261441-76-8P 261441-76-9P 261441-77-6P
 261441-78-1P 261441-79-2P 261441-81-6P
 261441-83-8P 261441-85-0P 261441-87-2P
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 261442-55-9P 261442-57-1P 261442-58-7P
 261442-59-6P 261442-61-1P 261442-61-3P
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 261443-13-2P 261443-15-4P 261443-17-6P
 261443-19-8P 261443-21-0P 261443-23-2P
 261443-25-4P 261443-27-6P 261443-29-8P
 261443-31-0P

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



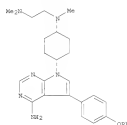
RI 262441-61-2 CAPLUS
 CH 2,5-Bisazabicyclo[2.2.1]heptane-2-carboxylic acid, 5-[cis-4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-1,1-dimethylethyl ester, (1S,4S)- (CA INDEX NAME)

Absolute stereochemistry.



RI 262441-63-4 CAPLUS
 CH 2,5-Bisazabicyclo[2.2.1]heptane-2-carboxylic acid, 5-[trans-4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-1,1-dimethylethyl ester, (1S,4S)- (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2
 CH 11D-16-7
 CNF C4 H4 O4

Double bond geometry as shown.

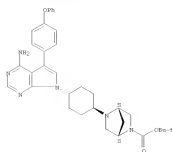


RI 262441-67-8 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-4-[4-(1-methylethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Absolute stereochemistry.

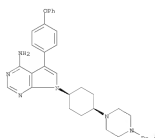


RI 262441-66-7 CAPLUS
 CH 1,2-Bisazabicyclo[2.2.1]heptane-2-carboxylic acid, 5-[cis-4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]-6,6',N'-trimethyl-, (2S)-2-butenedioate (1:3) (9CI) (CA INDEX NAME)

CH 1
 CHN 262441-65-6
 CNF C29 H36 N6 O

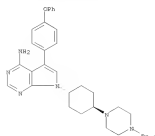
Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 262441-69-0 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-[4-(1-methylethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)

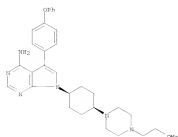
Relative stereochemistry.



RI 262441-71-4 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-4-[4-(1-methylethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)

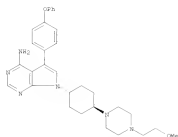
Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264441-73-6 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[trans-4-[4-(2-methoxyethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenoxyphe-nyl)- (CA INDEX NAME)

Relative stereochemistry.



264441-75-8 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[cis-4-[4-(2-methoxyethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenoxyphe-nyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 2
 CNH 110-36-7
 CHF C4 H4 O4

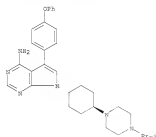
Double bond geometry as shown.



264441-77-0 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[trans-4-[4-(1-methylethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenoxyphe-nyl)-, (2E)-2-butenedioate (19)
 (CA INDEX NAME)

CN 1
 CNH 26241-63-0
 CHF C31 H39 N6 O2

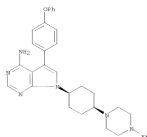
Relative stereochemistry.



CN 2
 CNH 110-36-7
 CHF C4 H4 O4

Double bond geometry as shown.

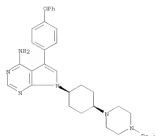
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



262441-76-9 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[cis-4-[4-(1-methylethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenoxyphe-nyl)-, (2E)-2-butenedioate (19)
 (CA INDEX NAME)

CN 1
 CNH 26241-67-0
 CHF C31 H39 N6 O2

Relative stereochemistry.



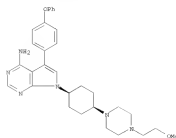
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264441-78-1 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[cis-4-[4-(2-methoxyethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenoxyphe-nyl)-, (2E)-2-butenedioate (19)
 (CA INDEX NAME)

CN 1
 CNH 26243-71-4
 CHF C31 H39 N6 O2

Relative stereochemistry.



CN 2
 CNH 110-36-7
 CHF C4 H4 O4

Double bond geometry as shown.



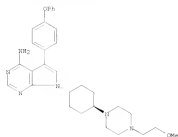
264441-79-2 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[trans-4-[4-(2-methoxyethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenoxyphe-nyl)-, (2E)-2-butenedioate (19)
 (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 1

CHN 262441-73-5
 CNF C31 R38 H6 O2

Relative stereochemistry.



CH 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



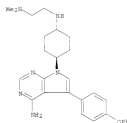
HN 262441-81-6 CAPLUS
 CH 1,2-dichloroethane, N'-[cis-4-(4-amino-5-(4-phenoxymethyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)pyrrolidin-2,3-dimethyl-1,2-dichloroethane] (1:2) (IC1) (CA INDEX NAME)

CH 1

CHN 262441-80-5
 CNF C28 H24 H6 O

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



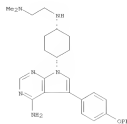
HN 262441-85-0 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-4-[3-(18-imidazol-1-yl)propyl]pyrrolidin-5-(4-phenoxymethyl)-2,3-dimethyl-1,2-dichloroethane] (1:3) (CA INDEX NAME)

CH 1

CHN 262441-84-9
 CNF C30 H32 H6 O

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



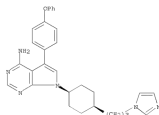
HN 262441-83-8 CAPLUS
 CH 1,2-dichloroethane, N'-[trans-4-(4-amino-5-(4-phenoxymethyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)pyrrolidin-2,3-dimethyl-1,2-dichloroethane] (1:1) (IC1) (CA INDEX NAME)

CH 1

CHN 262441-82-7
 CNF C28 H24 H6 O

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



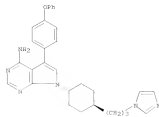
HN 262441-87-2 CAPLUS
 CH 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-[3-(18-imidazol-1-yl)propyl]pyrrolidin-5-(4-phenoxymethyl)-2,3-dimethyl-1,2-dichloroethane] (1:2) (CA INDEX NAME)

CH 1

CHN 262441-86-1
 CNF C30 H32 H6 O

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



CN 2

CHN 110-16-7

CMF C4 H4 O4

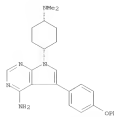
Double bond geometry as shown.



RU 262441-89-3 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine,
 7-[cis-4-(dimethylamino)cyclohexyl]-5-(4-phenoxyphe-nyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



RU 262441-89-4 CAPLUS

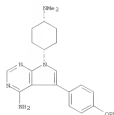
CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine,
 7-[cis-4-(dimethylamino)cyclohexyl]-5-(4-phenoxyphe-nyl)-, (2S)-2-butenedioate (1:2) (CA INDEX NAME)

CN 1

CHN 262441-89-3

CMF C26 H29 N5 O

Relative stereochemistry.



CN 2

CHN 110-16-7

CMF C4 H4 O4

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

Double bond geometry as shown.



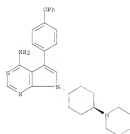
RU 262441-91-8 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-(4-phenoxyphe-nyl)-7-[trans-4-(1-piperidin-1-yl)cyclohexyl]-, (2S)-2-butenedioate (1:2) (CA INDEX NAME)

CN 1

CHN 262441-90-7

CMF C29 H33 N5 O

Relative stereochemistry.



CN 2

CHN 110-16-7

CMF C4 H4 O4

Double bond geometry as shown.

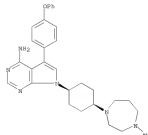


RU 262441-92-9 CAPLUS
 CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[cis-4-(hexahydro-4-methyl-1H-3,4-diazepin-1-yl)cyclohexyl]-5-(4-phenoxyphe-nyl)-, dihydrochloride (HCl)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

INDEX NAME

Relative stereochemistry.



●● HCl

RU 262441-94-1 CAPLUS

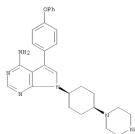
CN 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-(4-phenoxyphe-nyl)-7-[cis-4-(1-piperazin-1-yl)cyclohexyl]-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CN 1

CHN 262441-93-0

CMF C26 H33 N5 O

Relative stereochemistry.



15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

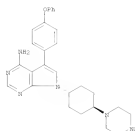
CH 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



261441-95-2 CAPLUS
7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-phenoxypheyl]-7-[trans-4-(1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

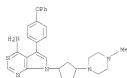


261441-96-3 CAPLUS
7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-[4-phenoxypheyl]-7-[trans-4-(1-piperazinyl)cyclohexyl]-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1
CHN 261441-95-2
CHF C28 H32 N6 O

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



CH 2
CHN 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



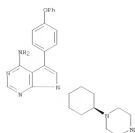
261441-99-6 CAPLUS
Benzeneethanol, 4-[4-amine-1-cyclopentyl-7b-pyrrolo[2,3-d]pyrimidin-5-yl]-o-phenyl- (CA INDEX NAME)



261442-01-2 CAPLUS
7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(1R,3R)-3-(4-methyl-1-piperazinyl)cyclohexyl]-5-[4-phenoxypheyl]-, xol-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1
CHN 261442-00-2
CHF C29 H34 N6 O

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



CH 2
CHN 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.

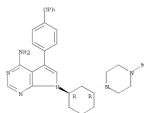


261441-98-5 CAPLUS
7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(1R,3R)-3-(4-methyl-1-piperazinyl)cyclohexyl]-5-[4-phenoxypheyl]-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1
CHN 261441-97-6
CHF C28 H32 N6 O

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)

Relative stereochemistry.



CH 2
CHN 110-16-7
CHF C4 H4 O4

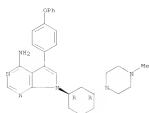
Double bond geometry as shown.



261442-02-4 CAPLUS
7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(1R,3R)-3-(4-methyl-1-piperazinyl)cyclohexyl]-5-[4-phenoxypheyl]-, trihydrochloride, xol-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



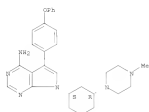
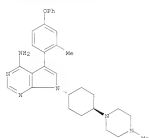
●●● HCl

7b 262442-04-6 CAPLUS
 CN 7b-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(1R,3S)-3-(4-methyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxypheyl)-, rel-, (2S)-2-butenediolate (1:3) (HCl) (CA INDEX NAME)

CN 1

CN 262442-03-5
 CNF C33 H34 N6 O

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)
Relative stereochemistry.

CN 2

CN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



7b 262442-08-0 CAPLUS
 CN Carbazic acid, [2-(4-morpholinylethyl)-, 3-(4-amino-5-(4-phenoxypheyl)-7b-pyrrolo[2,3-d]pyrimidin-5-yl)cyclopentyl ester, monohydrochloride (HCl) (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

CN 2

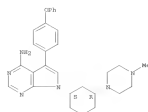
CN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



7b 262442-05-7 CAPLUS
 CN 7b-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[(1R,3S)-3-(4-methyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxypheyl)-, trihydrochloride, rel- (HCl) (CA INDEX NAME)

Relative stereochemistry.



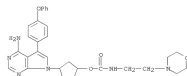
●●● HCl

7b 262442-07-9 CAPLUS
 CN 7b-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-(2-methyl-4-phenoxypheyl)-7-[trans-4-(4-methyl-3-piperazinyl)cyclohexyl]-, (2S)-2-butenediolate (1:3) (CA INDEX NAME)

CN 1

CN 262442-06-8
 CNF C30 H34 N6 O

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



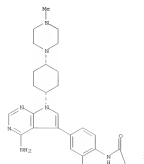
●●● HCl

7b 262442-11-5 CAPLUS
 CN Benzamide, N-[4-[4-amino-7-[cis-4-(4-methyl-3-piperazinyl)cyclohexyl]-7b-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,4-difluoro-, (2S)-2-butenediolate (1:3) (CA INDEX NAME)

CN 1

CN 262442-10-4
 CNF C31 H35 F2 N7 O2

Relative stereochemistry.



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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



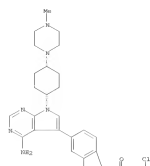
BN 262442-11-7 CAPLUS
 CN Benzanide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,3-dichloro-, (2E)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1
 CHN 262442-12-8
 CNF C11 H15 Cl1 N7 O2

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



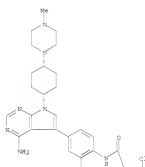
BN 262442-11-9 CAPLUS

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN Benzanide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,3-dichloro-, (2E)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1
 CHN 262442-14-9
 CNF C11 H15 Cl1 N7 O2

Relative stereochemistry.

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CH 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.

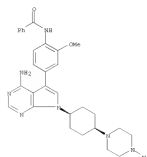
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



BN 262442-11-1 CAPLUS
 CN Benzanide, N-[4-(4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, (2E)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1
 CHN 262442-16-0
 CNF C11 H17 N7 O2

Relative stereochemistry.



CH 2
 CHN 110-16-7
 CNF C4 H4 O4

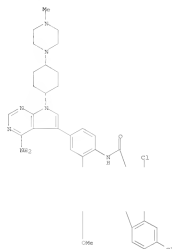
Double bond geometry as shown.



15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RH 262442-19-3 CAPLUS
 CH Benamide, N-[4-[4-amino-7-[oxa-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,4-dichloro-, (2S)-2-isoteredate (1x3) (CA INDEX NAME)
 CH 1
 CHN 262442-19-3
 CNF C11 R15 C12 NT O2

Relative stereochemistry.

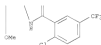
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CH 2
 CHN 110-16-7

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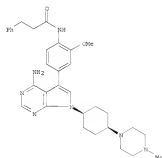
CH 2
 CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



RH 262442-22-8 CAPLUS
 CH Benoxepanamide, N-[4-[4-amino-7-[oxa-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]- (CA INDEX NAME)

Relative stereochemistry.



RH 262442-23-8 CAPLUS
 CH Benamide, N-[4-[4-amino-7-[oxa-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,4-dichloro-, (2S)-2-isoteredate (1x3) (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CNF C4 H4 O4

Double bond geometry as shown.

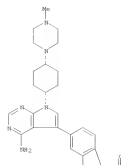


RH 262442-23-7 CAPLUS
 CH Benamide, N-[4-[4-amino-7-[oxa-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-chloro-5-(trifluoromethyl)-, (2S)-2-isoteredate (1x3) (CA INDEX NAME)

CH 1
 CHN 262442-20-6
 CNF C12 R15 C13 F3 NT O2

Relative stereochemistry.

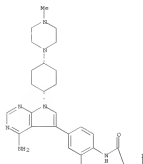
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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CHN 110-16-7
 CNF C4 H4 O4

Relative stereochemistry.

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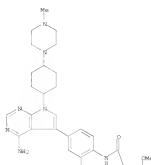


RH 262442-24-0 CAPLUS
 CH Benamide, N-[4-[4-amino-7-[oxa-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-methoxy-, (2S)-2-isoteredate (1x3) (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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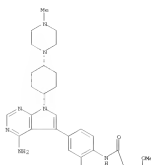


262442-26-1 CAPLUS
 CN Benzanide, N-[4-(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl)-2,4-dimethoxy-NMe] (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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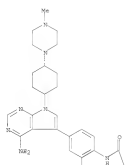


262442-26-2 CAPLUS
 CN Benzanide, N-[4-(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl)-3,4-dichloro-NMe] (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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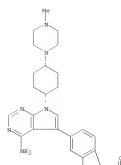


262442-27-3 CAPLUS
 CN Benzanide, N-[4-(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl)-2-methoxy-NMe] (CA INDEX NAME)

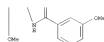
Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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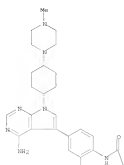


262442-28-4 CAPLUS
 CN Benzanide, N-[4-(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl)-4-fluoro-NMe] (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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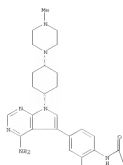
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20 262442-29-5 CAPLUS
 CN Benzanide, N-[4-[(4-amino-7-[(cis-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-chloro- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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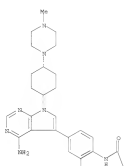
PAGE 2-A



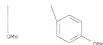
20 262442-30-8 CAPLUS
 CN Benzanide, N-[4-[(4-amino-7-[(cis-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-methoxy- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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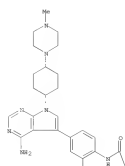
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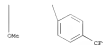
20 262442-31-9 CAPLUS
 CN Benzanide, N-[4-[(4-amino-7-[(cis-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-(trifluoromethyl)- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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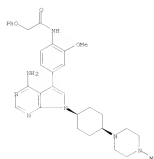


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20 262442-32-0 CAPLUS
 CN Benzanide, N-[4-[(4-amino-7-[(cis-4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-phenoxy- (CA INDEX NAME)
 Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

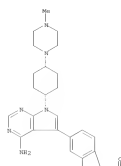


20 262442-33-1 CAPLOS
 CN Benzanide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-(4-chlorophenyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

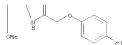
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20 262442-34-2 CAPLOS
 CN Cyclohexanecarboxamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-phenyl-, (1R,2R)- (CA INDEX NAME)

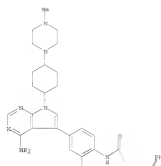
Relative stereochemistry.

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15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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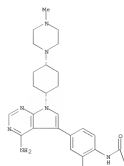


20 262442-35-3 CAPLOS
 CN Benzanide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-cyano- (CA INDEX NAME)

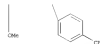
Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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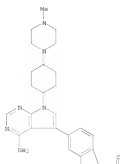


20 262442-36-4 CAPLOS
 CN Benzanide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-3-nitro- (CA INDEX NAME)

Relative stereochemistry.

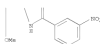
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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RU 262442-31-5 CAPLUS
 CN Benzanide, N-[4-(4-amino-7-[(4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-4-nitro-] (CA INDEX NAME)

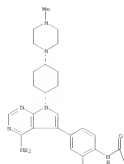
Relative stereochemistry.



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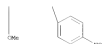
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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RU 262442-38-6 CAPLUS
 CN Benzanide, N-[4-(4-amino-7-[(4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-3,5-difluoro-] (CA INDEX NAME)

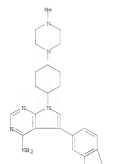
Relative stereochemistry.



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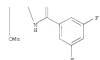
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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RU 262442-39-7 CAPLUS
 CN Acetanide, N-[4-(4-amino-7-[(4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-2-(phenylmethoxy)-] (CA INDEX NAME)

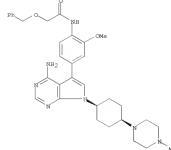
Relative stereochemistry.



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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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RU 262442-40-0 CAPLUS
 CN Benzanide, N-[4-(4-amino-7-[(4-{4-methyl-1-piperazinyl}cyclohexyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-3-cyano-] (CA INDEX NAME)

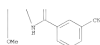
Relative stereochemistry.



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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

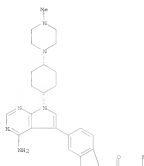
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262442-41-1 CAPLUS
 CH Benzamide, N-[4-{4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrole[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-trifluoromethoxy- (CA INDEX NAME)

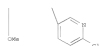
Relative stereochemistry.

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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

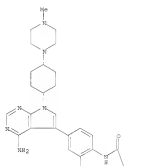
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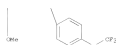
262442-43-3 CAPLUS
 CH Benzamide, N-[4-{4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrole[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-4-trifluoromethoxy- (CA INDEX NAME)

Relative stereochemistry.

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262442-44-4 CAPLUS
 CH Benzamide, N-[4-{4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrole[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2,4,6-trifluoro- (CA INDEX NAME)

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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

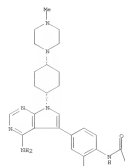
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262442-42-3 CAPLUS
 CH 3-Pyridinethiocarbonyl, N-[4-{4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrole[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-6-chloro- (CA INDEX NAME)

Relative stereochemistry.

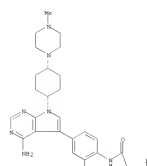
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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Relative stereochemistry.

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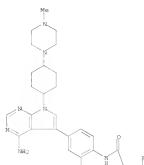


262442-45-5 CAPLUS
 CH Benzamide, N-[4-{4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrole[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-2-chloro-6-fluoro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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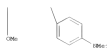
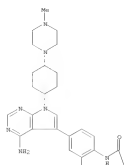
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7B 262442-46-6 CAPLOS
 CN Benzanide, N-[(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7B-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-4-(dimethylamino)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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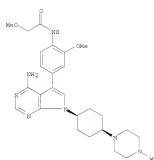


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7B 262442-47-7 CAPLOS
 CN Acetanide, N-[(4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7B-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-2-methoxy- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

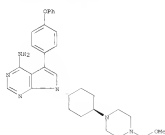


7B 262442-49-9 CAPLOS
 CN 7B-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(trans-4-[4-(methoxymethyl)-1-piperazinyl]cyclohexyl]-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CN 1

CN 262442-49-9
 CNF C10 N16 N6 O8

Relative stereochemistry.



15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

CN 2

CN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.

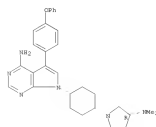


7B 262442-51-3 CAPLOS
 CN 7B-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(cis-4-[1(2S)-3-(dimethylamino)-1-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CN 1

CN 262442-50-2
 CNF C10 N16 N6 O8

Absolute stereochemistry.



CN 2

CN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.

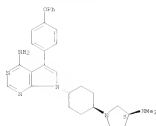


15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RI 262442-55-5 CAPLUS
 CI 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(trans-4-[(3S)-3-(dimethylamino)-1-pyrrolidinyl]cyclohexyl)-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:3)]
 (CA INDEX NAME)

CM 3
 CHN 262442-52-4
 CIP C10 H16 N6 O

Absolute stereochemistry.



CM 2
 CHN 110-16-7
 CIP C4 H4 O4

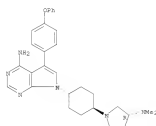
Double bond geometry as shown.



RI 262442-55-7 CAPLUS
 CI 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(cis-4-[(3S)-3-(dimethylamino)-1-pyrrolidinyl]cyclohexyl)-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:3)]
 (CA INDEX NAME)

CM 3
 CHN 262442-54-6

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CM 2
 CHN 110-16-7
 CIP C4 H4 O4

Double bond geometry as shown.



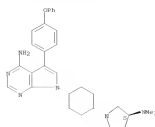
RI 262442-59-1 CAPLUS
 CI 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(cis-4-[4-(methoxymethyl)-1-piperazinyl]cyclohexyl)-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:3)]
 (CA INDEX NAME)

CM 3
 CHN 262442-59-0
 CIP C30 H36 N6 O2

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CMF C10 H16 N6 O
 Absolute stereochemistry.



CM 2
 CHN 110-16-7
 CIP C4 H4 O4

Double bond geometry as shown.

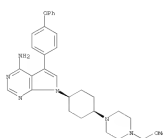


RI 262442-57-9 CAPLUS
 CI 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(trans-4-[(1R)-3-(dimethylamino)-1-pyrrolidinyl]cyclohexyl)-5-(4-phenoxyphenyl)-, (2S)-2-butenedioate (1:3)]
 (CA INDEX NAME)

CM 1
 CHN 262442-56-8
 CIP C30 H36 N6 O

Absolute stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CM 2
 CHN 110-16-7
 CIP C4 H4 O4

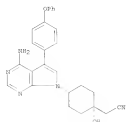
Double bond geometry as shown.



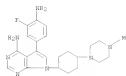
RI 262442-60-4 CAPLUS
 CI Cyclohexanecarboxonitrile, 4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-hydroxy-, cis- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



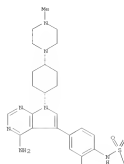
HN 262442-63-5 CAPLUS
 CN 7-(pyrrolo[2,3-d]pyrimidin-6-yl)-5-(4-amino-3-fluorophenyl)-7-[4-(4-methyl-1-piperazinyl)cyclohexyl]-1H-pyrazole (CA INDEX NAME)



HN 262442-62-6 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-[4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-fluoro- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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HN 262442-63-7 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-[4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-fluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

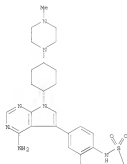
CN 1

CN 262442-62-6
 CNF C29 H33 F2 N7 O2 S

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



HN 262442-63-9 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-[4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-fluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

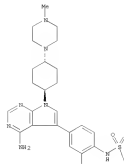
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CN 262442-64-8
 CNF C29 H33 F2 N7 O2 S

Relative stereochemistry.

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CN 2

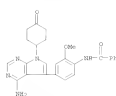
CN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 262442-78-4 CAPLUS
 CH Benamide, N-[4-[4-amino-7-[4-oxocyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]- (CA INDEX NAME)



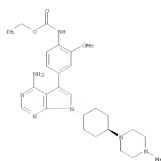
HN 262442-80-8 CAPLUS
 CH Oxidant acid, [4-[4-amino-7-[trans-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, phenylmethyl ester, (2S)-2-butenedioate (1:3) (9CI) (CA INDEX NAME)

CH 3

CHN 262442-79-5
 CNF C32 R39 NT 03

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CH 2

CHN 110-16-7
 CNF C4 R4 G4

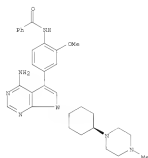
Double bond geometry as shown.



HN 262442-81-9 CAPLUS
 CH Benamide, N-[4-[4-amino-7-[trans-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 262442-83-1 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-(trifluoromethoxy)-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

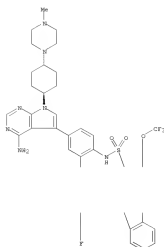
CH 1

CHN 262442-82-0
 CNF C30 R33 P4 NT 03 8

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHN 110-16-7
 CNF C4 R4 G4

Double bond geometry as shown.



HN 262442-85-3 CAPLUS
 CH 2-Thiophenemethanamine, N-[4-[4-amino-7-[trans-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-chloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

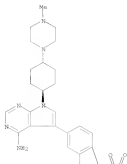
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CHN 262442-86-2
 CHF C37 H31 Cl F N7 O2 S2

Relative stereochemistry.

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CN 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



20 262442-91-1 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrazolo[2,3-b]pyrimidin-5-yl]-2-fluorophenyl]-2,3-dichloro-, (2S)-2-butenedioate (1:3) (CA INDEX NMS)

CN 1

CHN 262442-95-0
 CHF C39 H32 Cl2 F N7 O2 S

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



20

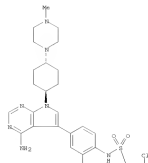
262442-95-4 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrazolo[2,3-b]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-4-fluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NMS)

CN 1

CHN 262442-97-5
 CHF C39 H32 Cl2 F2 N7 O2 S

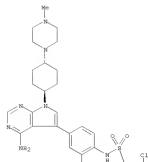
Relative stereochemistry.

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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



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20 262442-93-3 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrazolo[2,3-b]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-4-fluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NMS)

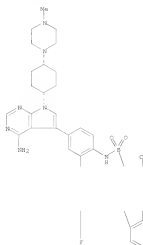
15 ANNEA 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CHN 262442-92-2
 CHN C29 H32 O3 F2 N7 O2 S

Relative stereochemistry.

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CN 2

CHN 110-16-7
 CHN C4 H4 O4

Double bond geometry as shown.

15 ANNEA 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CHN 110-16-7
 CHN C4 H4 O4

Double bond geometry as shown.



20 262442-97-7 CAPLOS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4-difluoro-, (2S)-2-butenesulfonate (1:1) (CA INDEX NAME)

CN 1

CHN 262442-96-6
 CHN C29 H32 F3 N7 O2 S

Relative stereochemistry.

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15 ANNEA 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



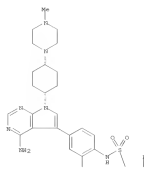
20 262442-95-5 CAPLOS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4-difluoro-, (2S)-2-butenesulfonate (1:1) (CA INDEX NAME)

CN 1

CHN 262442-94-4
 CHN C29 H32 F3 N7 O2 S

Relative stereochemistry.

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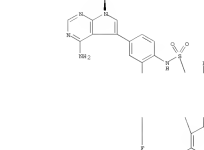


15 ANNEA 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

CN 2

CHN 110-16-7
 CHN C4 H4 O4

Double bond geometry as shown.



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CN 2

CHN 110-16-7
 CHN C4 H4 O4

Double bond geometry as shown.



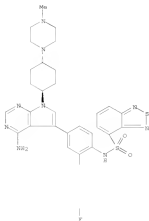
20 262442-90-5 CAPLOS
 CN 2,1,7-Benzenesulfonamide, 4-sulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-

1.5 ANIMER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
[22]-2-hydroxydicarboxylate [1:3] (CA INDEX NAME)

CM 3

CJ21 262442-99-9
CMT C29 H32 Y M9 Q2 B2

Relative stereochemistry.



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CM	2
CRM	330-16-7
CMT	C4, B4, O4

Double bond geometry as shown.

1.5 ANSWER 20 OF 25 CAPLIS COPYRIGHT 2007 ACS on STM (Continued)

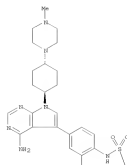


IN 262443-03-8 CAPLUS
CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,3,4-trifluoro-, (2Z)-2-butenedioate (1:3) [CA INDEX NAME]

95 2

CIN 262443-02-7
CMT C29 H31 F4 N7 O2 5

Relative stereochemistry.



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1.5 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



PAGE 2-A

CN	2
C20	320-36-7
CMT	C4, B4, O4

Double bond geometry as shown.



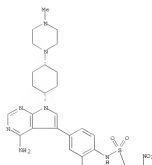
920 262443-05-0 CAPLUS
C20 Benzenesulfonamide, N-[6-[4-amino-7-[cis-4-(4-methyl-3-
piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-
nitro-, (2Z)-2-butenedioate [2:3] (CA INDEX NAME)

CM 3

CNR 262443-04-9
CNR C29 H33 F NR 04 8

Relative stereochemistry

1.5 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STM (Continued)



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23

CPM 110-16-7
CMR C4 H4 O6

Double bond geometry as shown.



NN 262443-07-2 CAPLUS
 CN Benzeneaurfomamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-fluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

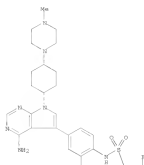
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CHN 262443-06-7
 CHF C29 H31 F2 N7 O2 S

Relative stereochemistry.

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CN 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



20 262443-11-8 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4,6-trichloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CHN 262443-10-7
 CHF C29 H31 Cl2 F N7 O2 S

Relative stereochemistry.

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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



20 262443-09-4 CAPLUS

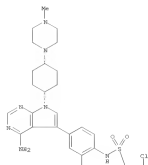
CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4,6-trichloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CHN 262443-08-3
 CHF C29 H31 Cl3 F N7 O2 S

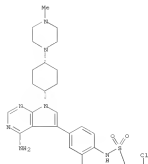
Relative stereochemistry.

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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



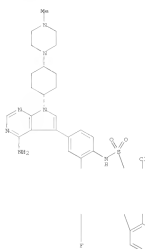
20 262443-13-0 CAPLUS

CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 1
 CHN 262443-12-9
 CHF C19 H13 Cl F N7 O2 S

Relative stereochemistry.



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CH 2
 CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 2
 CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



20 262443-17-4 CAPLUS
 CH 2-Fluorophenylamides, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrole[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-chloro-, (2E)-2-butenesulfonate (1:2) (CA INDEX NAME)

CH 1
 CHN 262443-16-7
 CHF C27 H31 Cl F N7 O2 S2

Relative stereochemistry.

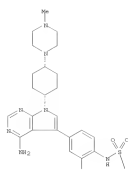
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



20 262443-15-2 CAPLUS
 CH Benzenesulfonamides, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrole[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-fluoro-, (2E)-2-butenesulfonate (1:2) (CA INDEX NAME)

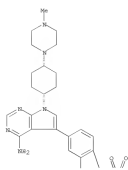
CH 1
 CHN 262443-14-1
 CHF C29 H35 F2 N7 O2 S

Relative stereochemistry.



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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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CH 2
 CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



20 262443-19-4 CAPLUS
 CH Benzenesulfonamides, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrole[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-bromo-2,5-difluoro-, (2E)-2-butenesulfonate (1:3) (CA INDEX NAME)

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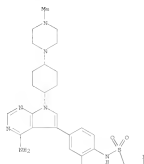
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 1

CHR 262443-18-5

CHF C29 R32 R F3 N7 O2 S

Relative stereochemistry.



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CH 2

CHR 110-16-7

CHF C4 R4 O4

Double bond geometry as shown.



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CH 2

CHR 110-16-7

CHF C4 R4 O4

Double bond geometry as shown.



RR 262443-23-2 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-

piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-

iodide-, [(2S)-2-butenedioate (1:1)] (CA 3706X NM0)

CH 1

CHR 262443-22-1

CHF C29 R32 F 1 N7 O2 S

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RR 262443-21-0 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-

piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-

chloro-4-fluoro-, [(2S)-2-butenedioate (1:1)] (CA 3706X NM0)

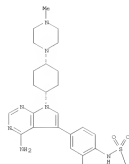
CH 1

CHR 262443-20-9

CHF C29 R32 Cl F2 N7 O2 S

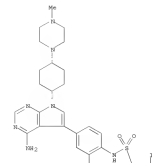
Relative stereochemistry.

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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHR 110-16-7

CHF C4 R4 O4

Double bond geometry as shown.



RR 262443-25-4 CAPLUS

CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-

piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-

trifluoromethyl-, [(2S)-2-butenedioate (1:1)] (CA 3706X NM0)

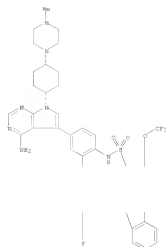
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CHN 262443-26-3
 CMF C29 H33 F4 N7 O2 S

Relative stereochemistry.

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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



20 262443-29-8 CAPLUS
 CN Benzenesulfonamide, N-[4-{4-amino-7-[cis-4-{4-methyl-1-piperazinyl}cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-6-methyl-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CN 1

CHN 262443-29-7
 CMF C30 H35 Cl1 F N7 O2 S

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



20 262443-27-6 CAPLUS

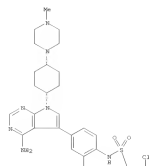
CN Benzenesulfonamide, N-[4-{4-amino-7-[cis-4-{4-methyl-1-piperazinyl}cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,5-dichloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CN 1

CHN 262443-26-5
 CMF C29 H32 Cl2 F N7 O2 S

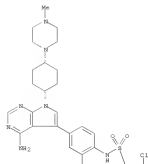
Relative stereochemistry.

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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



20 262443-31-2 CAPLUS

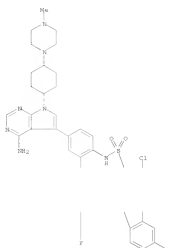
CN Benzenesulfonamide, N-[4-{4-amino-7-[cis-4-{4-methyl-1-piperazinyl}cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-4-oxo-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CHN 262443-36-1
 CMF C29 H31 C1 F N8 O2 S

Relative stereochemistry.



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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



BN 262443-37-8 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-[4-methyl-1-piperazinyl]pyrrolidin-2-yl]-2-fluorophenyl]-5,4-difluoro-, (2S)-2-butenesulfonate (1:1)] (CA INDEX NAME)

CN 1

CHN 262443-36-7
 CMF C29 H31 F2 N7 O2 S

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



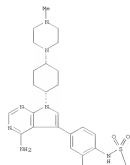
BN 262443-34-5 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-[4-methyl-1-piperazinyl]pyrrolidin-2-yl]-2-fluorophenyl]-5,4-trifluoro-, (2S)-2-butenesulfonate (1:1)] (CA INDEX NAME)

CN 1

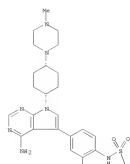
CHN 262443-33-4
 CMF C29 H31 F4 N7 O2 S

Relative stereochemistry.

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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



BN 262443-40-3 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-[4-methyl-1-piperazinyl]pyrrolidin-2-yl]-2-fluorophenyl]-4-

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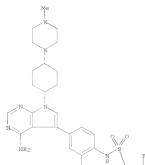


15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
bromo-2-fluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1
CHN 262443-39-0
CHF C19 R32 R4 F R7 O2 S

Relative stereochemistry.

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CH 2
CHN 110-16-7
CHF C4 R4 O4

Double bond geometry as shown.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
CHN 110-16-7
CHF C4 R4 O4

Double bond geometry as shown.



22 262443-44-7 CAPLUS
CH Benzenesulfonamide, N-[4-(4-amino-7-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4-dichloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1
CHN 262443-43-6
CHF C29 R32 C12 F R7 O2 S

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

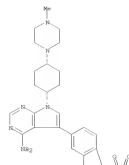


22 262443-42-5 CAPLUS
CH 2-Thiophenecarboxamide, N-[4-(4-amino-7-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-5-bromo-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1
CHN 262443-41-4
CHF C27 R31 R4 F R7 O2 S2

Relative stereochemistry.

PAGE 1-A

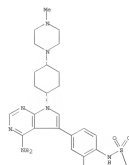


PAGE 2-A



15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



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CH 2
CHN 110-16-7
CHF C4 R4 O4

Double bond geometry as shown.



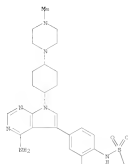
22 262443-47-0 CAPLUS
CH Benzenesulfonamide, N-[4-(4-amino-7-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2,3,4-trichloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

CH 1

CHN 262443-46-9
CHP C19 H31 Cl3 F N7 O2 S

Relative stereochemistry.



PAGE 1-A



PAGE 2-A

CH 2

CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

CH 2

CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.



PAGE 2-A

CH 2

CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.



HN 262443-51-6 CAPLUS
CH 2,1,3-Benzothiadiazole-4-sulfonamide, N-[4-[4-amino-7-[cis-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl], (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1

CHN 262443-50-5
CHP C19 H32 F N9 O2 S2

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



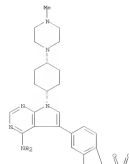
HN 262443-49-2 CAPLUS
CH 2-Thiophenesisulfonamide, N-[4-[4-amino-7-[cis-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-bromo-5-chloro, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1

CHN 262443-48-1
CHP C17 H20 Br Cl F N7 O2 S2

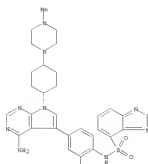
Relative stereochemistry.

PAGE 1-A



15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

PAGE 1-A



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CH 2

CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.



HN 262443-52-8 CAPLUS
CH 2,1,3-Benzothiadiazole-4-sulfonamide, N-[4-[4-amino-7-[cis-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl], (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1

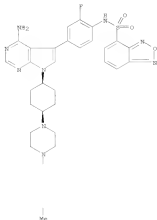
CHN 262443-52-7

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

C# C29 R32 F R9 O3 S

Relative stereochemistry.

PAGE 1-A



PAGE 2-A

CN 2

C#N 110-16-7

C#F C4 H4 O4

Double bond geometry as shown.



RN 262443-55-0 CAPLUS

CN 2,1,3-Benzothiadiazole-6-sulfonamide, N-[4-[[4-amino-7-[(cis-4-(4-methyl-1-

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

C#N 110-16-7

C#F C4 H4 O4

Double bond geometry as shown.



RN 262443-57-2 CAPLUS

CN 2,1,3-Benzothiadiazole-6-sulfonamide, N-[4-[[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-methyl-1-piperazinyl]-2-butenedioate 1:13 (CA INDEX N046)

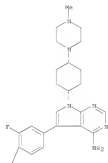
CN 1

C#N 262443-56-1

C#F C30 R34 F R9 O2 S2

Relative stereochemistry.

PAGE 1-A



15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-7-chloro-, (2S)-2-butenedioate 1:13 (CA INDEX N046)

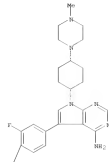
CN 1

C#N 262443-54-9

C#F C29 R31 C5 F R9 O3 S

Relative stereochemistry.

PAGE 1-A



PAGE 2-A



CN 2

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 2-A



CN 2

C#N 110-16-7

C#F C4 H4 O4

Double bond geometry as shown.



RN 262443-59-4 CAPLUS

CN 2,1,3-Benzothiadiazole-6-sulfonamide, N-[4-[[4-amino-7-[(cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-methyl-, (2S)-2-butenedioate 1:13 (CA INDEX N046)

CN 1

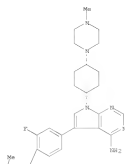
C#N 262443-58-3

C#F C30 R34 F R9 O2 S2

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
CHN 110-16-7
CHF C4 R4 O4

Double bond geometry as shown.

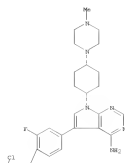
15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



HN 262443-61-8 CAPLOS
CH 2,1,2-Benzothiadiazole-4-sulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-chloro-, [(2S)-2-butenedioate (1:1)] (CA 33065 3996)

CH 1
CHN 262443-60-7
CHF C39 R31 C1 F N9 O2 S2

Relative stereochemistry.



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15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
CHN 110-16-7
CHF C4 R4 O4

Double bond geometry as shown.



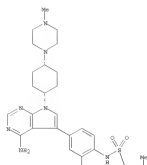
HN 262443-63-0 CAPLOS
CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-chloro-2-methyl-, [(2S)-2-butenedioate (1:1)] (CA 33065 3996)

CH 1
CHN 262443-62-9
CHF C39 R33 C1 F N7 O2 S

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
CHN 110-16-7
CHF C4 R4 O4

Double bond geometry as shown.



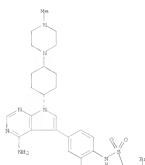
HN 262443-65-2 CAPLOS
CH Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-chloro-2-methyl-, [(2S)-2-butenedioate (1:1)] (CA 33065 3996)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

CN 1

CHN 262443-66-1
 CHF C29 R53 R6 F N7 O2 S

Relative stereochemistry.



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CN 2

CHN 110-16-7
 CHF C4 R4 O4

Double bond geometry as shown.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



PAGE 2-A

CN 2

CHN 110-16-7
 CHF C4 R4 O4

Double bond geometry as shown.



BN 262443-69-6 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-3-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-nitro-, (2S,3S)-diastereoisomer (1:1) (CA INDEX NAME)

CN 1

CHN 262443-69-5
 CHF C30 R35 F R8 O4 S

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



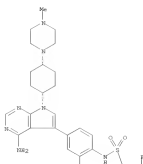
BN 262443-67-4 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[cis-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,5-dibromo-1,4-difluoro-, (2S,3S)-diastereoisomer (1:1) (CA INDEX NAME)

CN 1

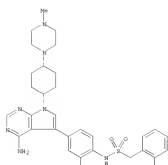
CHN 262443-66-3
 CHF C29 R50 R52 F3 N7 O2 S

Relative stereochemistry.

PAGE 2-A



15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



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CN 2

CHN 110-16-7
 CHF C4 R4 O4

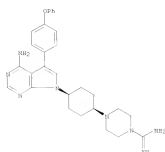
Double bond geometry as shown.



BN 262443-70-9 CAPLUS
 CN 1-(2-piperazinyl)benzenesulfonamide, 4-[cis-4-[4-amino-5-(4-phenoxypentyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]- (CA INDEX NAME)

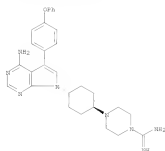
Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)



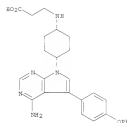
262443-71-0 CAPLUS
1-Piperazinecarboximidamide, 4-[trans-4-[4-amino-5-[4-phenoxyphenyl]-7H-pyrrolo[2,3-d]pyrimidin-7-yl]cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

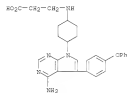


800 262-443-73-2 CAPL/DR

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



262443-75-4 CAPLUS
 β-Alanine, N-[4-(4-amino-5-[4-phenoxyphenyl]-7H-pyrrolo[2,3-
 d]pyrimidin-7-yl)cyclohexyl]- (CA INDEX NAME)



202 262443-77-6 CAPLUS
C02 β -Alanine, N-[oxa-4-[(4-amino-5-[(4-phenoxyphenyl)-7H-pyrrolo[2,3-d-
[pyrimidin-2-yl]cyclohexyl]-, ethyl ester, (2S)-2-butenedioate (1:2)
[SC1] (CA INDEX NAME)

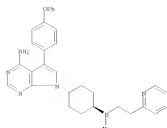
CN	2
CR22	262443-76-5
CN22	C12, H22, N2, O2

Relative stereochemistry.

ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS ON STN (Continued)
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-[trans-4-[methyl[2-[2-
 pyridinyl)ethyl]amino]cyclohexyl]-5-(4-phenoxypheyl)-,
 (2Z)-, 2-butenedicate (1:3) (CA INDEX NAME)

CM	1
CIN	262443-72-3
CNT	C72 H74 N6

Relative stereochemistry.



CM	2
CR21	110-16-7
CNF	C4, H4, O4

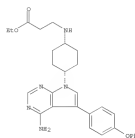
Double bond geometry as shown.



FBI 262443-74-3 CAPLUS
 CBI β -Alanine, N-[cis-4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CH	2
CHH	110-16-7
CHV	C4, M4, C4

Double bond geometry as shown.

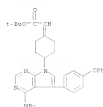


KN 262443-78-7 CAPLUS
 CN Acetonitrile,
 [4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexylidene]- (9CI) (CA INDEX NAME)

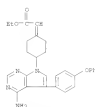


FOI 262443-79-8 CAPLDB

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN Acetic acid,
 [4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexylidene]-, 1,1-dimethylethyl ester (BC1) (CA INDEX NAME)



RN 262443-82-3 CAPLUS
 CN Acetic acid,
 [4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexylidene]-, ethyl ester (BC1) (CA INDEX NAME)



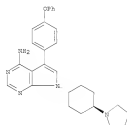
RN 262443-81-3 CAPLUS
 CN Acetic acid,
 [4-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexylidene]- (PC1) (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 262443-84-5 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-phenoxyphenyl)-7-[trans-6-(1-pyrrolidinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.



RN 262443-86-7 CAPLUS
 CN 3,2-Ethanediamine,
 N-[trans-6-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexyl]-N,N',N'-trimethyl-, (2S)-2-butenedioate (1:1) (BC1) (CA INDEX NAME)

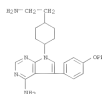
CN 3
 CN 262443-85-6
 CN C29 N36 N6 O

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

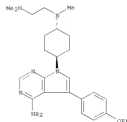


RN 262443-82-3 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[4-(12-aminophenyl)cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)



RN 262443-83-4 CAPLUS
 CN Cyclohexanecarboxylic acid, 6-(4-amino-5-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)- (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 2
 CN 110-14-7
 CN C4 H4 O4

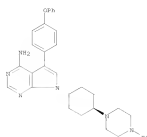
Double bond geometry as shown.



RN 262443-87-8 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxyphenyl)- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

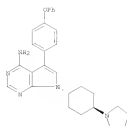


HN 262443-88-9 CAPLUS
CN 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 5-(4-phenoxyphe-nyl)-7-[trans-6-(1-pyrrolidin-2-yl)cyclohexyl]-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CN 262443-84-5
CNP C28 H31 N5 O

Relative stereochemistry.



CN 2

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

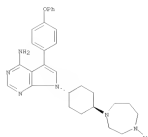
CN 110-16-7
CNP C4 H4 O4

Double bond geometry as shown.



HN 262443-90-7 CAPLUS
CN 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-(benzohydro-6-methyl-1H,1,4-diazepan-3-yl)cyclohexyl]-5-(4-phenoxyphe-nyl)-, dihydrochloride (9:1) (CA INDEX NAME)

Relative stereochemistry.



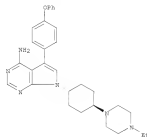
HN 262443-93-6 CAPLUS
CN 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-(4-ethyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxyphe-nyl)-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CN 262443-87-8
CNP C30 H36 N6 O

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CN 110-16-7
CNP C4 H4 O4

Double bond geometry as shown.



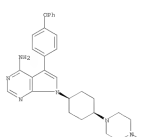
HN 262443-95-8 CAPLUS
CN 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[cis-4-(4-ethyl-1-piperazinyl)cyclohexyl]-5-(4-phenoxyphe-nyl)-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CN 262443-75-8
CNP C30 H36 N6 O

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CN 110-16-7
CNP C4 H4 O4

Double bond geometry as shown.



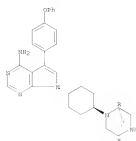
HN 262443-89-1 CAPLUS
CN 7b-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[trans-4-(1H,4B)-2,5-diazabicyclo[2.2.1]hept-2-yl)cyclohexyl]-3-(4-phenoxyphe-nyl)-, zeli-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CN 1

CN 262443-97-0
CNP C30 H36 N6 O

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

C3H 110-16-7
CNF C4 H4 O4

Double bond geometry as shown.



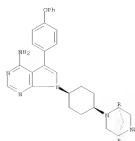
HN 262444-02-9 CAPLOS
CN 78-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-[(6s-4-[1R,4R]-2,5-dimethyl-2,5-dihydro-1H-pyrazol-5-yl)pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl-, sel., (2S)-2-butenedioate (1:3) (PCI) (CA INDEX NAME)

CN 1

C3H 262443-99-2
CNF C39 H52 N6 O

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

C3H 110-16-7
CNF C4 H4 O4

Double bond geometry as shown.



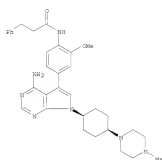
HN 262444-03-9 CAPLOS
CN Benzenepropanamide, N-[4-[4-amino-7-[(6s-4-[1R,4R]-2,5-dimethyl-2,5-dihydro-1H-pyrazol-5-yl)pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CN 1

C3H 262443-99-2
CNF C39 H52 N6 O2

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

C3H 110-16-7
CNF C4 H4 O4

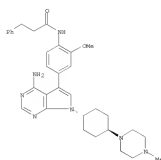
Double bond geometry as shown.



HN 262444-02-0 CAPLOS
CN Benzenepropanamide, N-[4-[4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



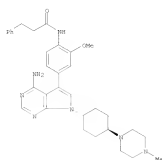
HN 262444-03-1 CAPLOS
CN Benzenepropanamide, N-[4-[4-amino-7-[(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CN 1

C3H 262444-02-0
CNF C39 H52 N6 O2

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 2

CHN 110-16-7

CMF C4 H4 O4

Double bond geometry as shown.



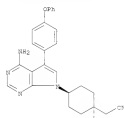
R0 262444-01-3 CAPLUS

CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 1-[(4-amino-3-methoxyphenyl)-7-[(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

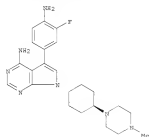
Relative stereochemistry.



R0 262444-45-1 CAPLUS

CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 1-[(4-amino-3-fluorophenyl)-7-[(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.



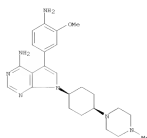
R0 262444-68-8 CAPLUS

CN 6-AMINO-7-[(4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-p-toluenesulfonate, (2Z)-2-butenesulfonate (1:3) (PCI) (CA INDEX NAME)

CN 3

CHN 262444-67-7

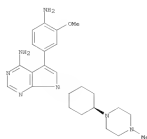
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



R0 262444-06-4 CAPLUS

CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 1-[(4-amino-3-methoxyphenyl)-7-[(4-methyl-1-piperazinyl)cyclohexyl]- (CA INDEX NAME)

Relative stereochemistry.



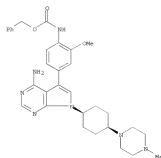
R0 262444-07-5 CAPLUS

CN Cyclohexanesulfonamide, 6-[(4-amino-5-[(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-1-hydroxy-, trans- (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CMF C32 H39 N7 O3

Relative stereochemistry.



CN 2

CHN 110-16-7

CMF C4 H4 O4

Double bond geometry as shown.



R0 262444-69-9 CAPLUS

CN 6-AMINO-7-[(4-[(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl)-, (2Z)-2-butenesulfonate (1:3) (CA INDEX NAME)

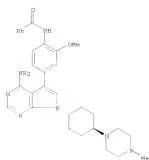
CN 3

CHN 262442-81-9

CMF C31 H37 N7 O2

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 2
 CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



RI 262444-71-3 CAPLUS
 CI Benzonitrile, 2-[4-[4-amino-7-[(1S)-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenoxy]-6-[(1S)-2-methoxypropyl]amino]-, (2S)-2-butenesulfonate (1:3) (CA INDEX NAME)

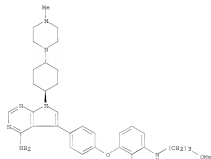
CN 3
 CHN 262444-70-2
 CHF C14 H42 N8 O2

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 3
 CHN 262444-72-4
 CHF C14 H42 N8 O2

Relative stereochemistry.



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CN 2
 CHN 110-16-7
 CHF C4 H4 O4

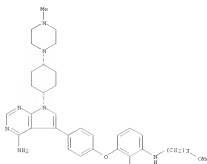
Double bond geometry as shown.



RI 262444-75-7 CAPLUS
 CI Benzonitrile, 2-amino-6-[(1S)-4-amino-7-[(1S)-4-(4-methyl-1-]

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2
 CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.

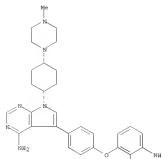


RI 262444-73-5 CAPLUS
 CI Benzonitrile, 2-[4-[4-amino-7-[(1S)-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenoxy]-6-[(1S)-2-methoxypropyl]amino]-, (2S)-2-butenesulfonate (1:3) (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 1
 CHN 262444-74-6
 CHF C10 H14 N8 O

Relative stereochemistry.



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CN 2
 CHN 110-16-7
 CHF C4 H4 O4

Double bond geometry as shown.



15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CN 262444-77-9 CAPLUS
 CN Benzonitrile, 2-amino-4-[[4-[[4-amino-7-(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenoxy]-2-butenedioate (1:3)] (CA INDEX NAME)

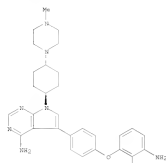
CN 1

CHE 262444-76-0

CHE C37 H39 N7 O 5

Relative stereochemistry.

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CN

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CN 2

CHE 110-16-7

CHE C4 H4 O4

Double bond geometry as shown.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 110-16-7

CHE C4 H4 O4

Double bond geometry as shown.



CN 262444-81-5 CAPLUS

CN Benzonitrile, 2-[[4-[[4-amino-7-(trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenoxy]-6-[[4-methylphenyl]thio]-, (2E)-2-butenedioate (1:3)] (CA INDEX NAME)

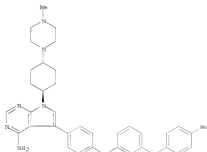
CN 1

CHE 262444-80-4

CHE C37 H39 N7 O 5

Relative stereochemistry.

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CN

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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



CN 262444-79-1 CAPLUS

CN Benzonitrile, 2-[[4-[[4-amino-7-[[4-[[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenoxy]-6-[[4-methylphenyl]thio]-, (2E)-2-butenedioate (1:3)] (CA INDEX NAME)

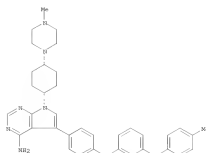
CN 1

CHE 262444-78-0

CHE C37 H39 N7 O 5

Relative stereochemistry.

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CN

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CN 2

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 2

CHE 110-16-7

CHE C4 H4 O4

Double bond geometry as shown.



CN 262444-83-7 CAPLUS

CN Benzonitrile, 2-[[4-[[4-amino-7-[[4-[[4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenoxy]-6-[[4-methylphenyl]thio]-, (2E)-2-butenedioate (1:3)] (CA INDEX NAME)

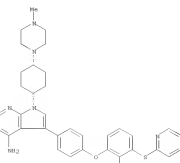
CN 1

CHE 262444-82-6

CHE C35 H35 N7 O 5

Relative stereochemistry.

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15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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RI 262444-85-9 CAPLOS
CH Benzonitrile,
2-[4-(4-aminophenyl)-4-methyl-1-piperazinyl]cyclohexyl]-
7H-pyrrolo[2,3-d]pyrimidin-5-yl]phenacyl]-6-[2-(pyridin-2-ylthio)-
(2S)-2-butenedioate (1:2)] (CA INDEX NAME)

CH 1
CHN 262444-84-8
CHF C35 H36 N8 O 8

Relative stereochemistry.

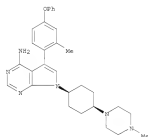
15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

NAME

CH 1

CHN 262444-86-0
CHF C30 H32 N6 O

Relative stereochemistry.



CH 2

CHN 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



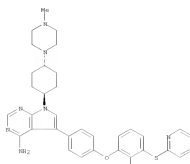
RI 262444-89-3 CAPLOS
CH Benzenesulfonamide, N-[4-(4-aminophenyl)-4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-
2,5-difluoro-, (2S)-2-butenedioate (1:2)] (CA INDEX NAME)

CH 3
CHN 262444-88-2
CHF C39 H32 F3 N7 O2 S

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CH 1

CH 2
CHN 110-16-7
CHF C4 H4 O4

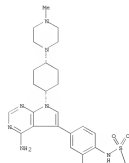
Double bond geometry as shown.



RI 262444-87-1 CAPLOS
CH 7H-Pyrrolo[2,3-d]pyrimidin-4-amine,
5-[2-methyl-4-phenoxypiperidin-1-yl]-4-
(4-methyl-1-piperazinyl)cyclohexyl]-, (2S)-2-butenedioate (1:2)] (CA
INDEX NAME)

15 ANSWER 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2
CHN 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



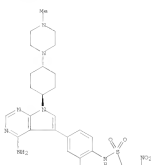
RI 262444-91-7 CAPLOS
CH Benzenesulfonamide, N-[4-(4-aminophenyl)-4-methyl-1-piperazinyl]cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-nitro-, (2S)-2-butenedioate (1:2)] (CA INDEX NAME)

15 ANHEM 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CHN 262444-96-6
 CMF C19 M13 F H5 O4 S

Relative stereochemistry.



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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



20 262444-95-1 CAPLOS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4,6-trichloro-, (2S)-2-butenedioate (1:3) (CA 3906X NMR)

CN 3

CHN 262444-96-0
 CMF C19 M13 C13 F N7 O2 S

Relative stereochemistry.

15 ANHEM 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



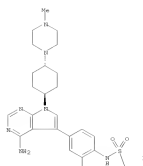
20 262444-93-9 CAPLOS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4,6-trichloro-, (2S)-2-butenedioate (1:3) (CA 3906X NMR)

CN 1

CHN 262444-92-8
 CMF C19 M13 F2 N7 O2 S

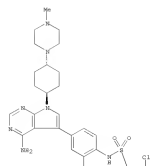
Relative stereochemistry.

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15 ANHEM 20 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2

CHN 110-16-7
 CMF C4 H4 O4

Double bond geometry as shown.



20 262444-97-3 CAPLOS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,6-dichloro-, (2S)-2-butenedioate (1:3) (CA 3906X NMR)

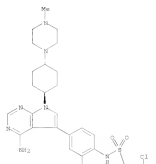
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

CH 1

CHN 262444-96-2

CHF C29 H32 Cl2 F N7 O2 S

Relative stereochemistry.



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CH 2

CHN 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.



15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

CH 2

CHN 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.



20 262445-01-2 CAPLUS
CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-fluoro-, (2E)-2-butenesulfonate (1:2) (CA 1806X NMR)

CH 1

CHN 262445-02-1

CHF C29 H33 F2 N7 O2 S

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



20 262445-99-5 CAPLUS
CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-, (2E)-2-butenesulfonate (1:2) (CA 1806X NMR)

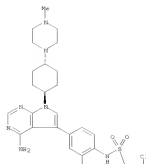
CH 1

CHN 262445-99-4

CHF C29 H33 Cl F N7 O2 S

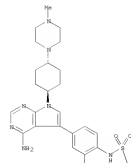
Relative stereochemistry.

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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

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CH 2

CHN 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.



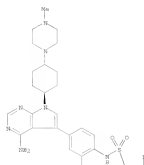
20 262445-03-4 CAPLUS
CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-fluoro-, (2E)-2-butenesulfonate (1:2) (CA 1806X NMR)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CH 1

CHE 262445-02-3
CHF C19 H11 N1 F2 N1 O2 S

Relative stereochemistry.



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CH 2

CHE 110-16-7
CHF C4 H4 O4

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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CH 2

CHE 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



XX 262445-07-8 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-sulfamoyl-, (2S)-2-isomer (1:1) (CA INDEX NAME)

CH 1

CHE 262445-06-7
CHF C19 H23 F2 N7 O2 S

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Double bond geometry as shown.



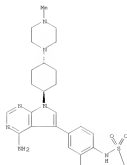
XX 262445-05-6 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-6-fluoro-, (2S)-2-isomer (1:1) (CA INDEX NAME)

CH 1

CHE 262445-04-5
CHF C19 H22 Cl F2 N7 O2 S

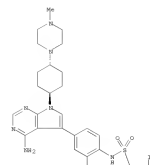
Relative stereochemistry.

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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CH 2

CHE 110-16-7
CHF C4 H4 O4

Double bond geometry as shown.



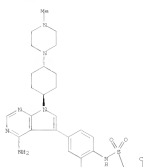
XX 262445-09-0 CAPLUS
 CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-6-methyl-, (2S)-2-isomer (1:1) (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

CN 1

CHN 262445-08-9
 CNF C30 R12 C1 F N7 O2 S

Relative stereochemistry.



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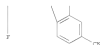


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CN 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



PAGE 2-A

CN 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



20 262445-13-6 CAPLUS
 CN Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3,4-difluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NMS)

CN 1

CHN 262445-13-6
 CNF C33 R12 P3 N7 O2 S

Relative stereochemistry.



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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



20 262445-13-6 CAPLUS

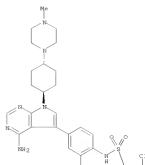
20 Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-6-cyano-, (2S)-2-butenedioate (1:1) (CA INDEX NMS)

CN 1

CHN 262445-10-3
 CNF C30 R12 C1 F N8 O2 S

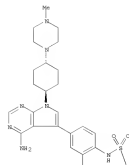
Relative stereochemistry.

PAGE 1-A



15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



CN 2

CHN 110-16-7
 CNF C4 H4 O4

Double bond geometry as shown.



20 262445-15-8 CAPLUS

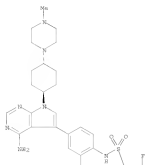
20 Benzenesulfonamide, N-[4-[4-amino-7-[trans-6-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-4-

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
bromo-2-fluoro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1

CHN 262445-14-7
CHF C29 R32 R4 F N7 O2 S

Relative stereochemistry.



PAGE 1-A



PAGE 2-A

CH 2

CHN 110-16-7
CHF C4 R4 O4

Double bond geometry as shown.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 2-A



CH 2

CHN 110-16-7
CHF C4 R4 O4

Double bond geometry as shown.



20 262445-19-2 CAPLUS
CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,4-dichloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1

CHN 262445-18-1
CHF C29 R32 C12 F N7 O2 S

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



20 262445-17-0 CAPLUS

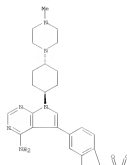
CH 2-Thiophenecarboxamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-bromo-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

CH 1

CHN 262445-16-9
CHF C27 R31 R4 F N7 O2 S2

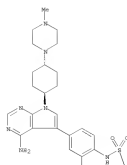
Relative stereochemistry.

PAGE 1-A



15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



PAGE 2-A



CH 2

CHN 110-16-7
CHF C4 R4 O4

Double bond geometry as shown.



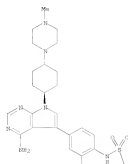
20 262445-21-6 CAPLUS
CH Benzenesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,3,4-trichloro-, (2S)-2-butenedioate (1:3) (CA INDEX NAME)

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

CH 1

CHN 262445-25-5
CHP C19 H31 Cl3 F N7 O2 S

Relative stereochemistry.



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PAGE 2-A

CH 2

CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

PAGE 2-A



CH 2

CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.



HN 262445-25-0 CAPLUS
CH 2,1,3-Benzoxadiazole-4-sulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl], (2S)-2-butenedioate (113) (CA INDEX NAME)

CH 1

CHN 262445-26-9
CHP C19 H32 F N9 O3 S

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

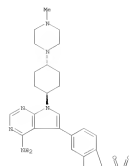


HN 262445-23-8 CAPLUS
CH 2-Thiophenemethanesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-3-N-methyl-5-chloro-, (2S)-2-butenedioate (113) (CA INDEX NAME)

CH 1

CHN 262445-22-7
CHP C17 H20 Br Cl F N7 O2 S2

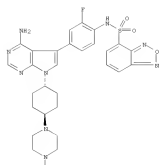
Relative stereochemistry.



PAGE 1-A

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

PAGE 1-A



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CH 2

CHN 110-16-7
CHP C4 H4 O4

Double bond geometry as shown.

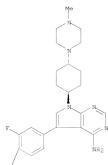


HN 262445-27-0 CAPLUS
CH 2,1,3-Benzoxadiazole-4-sulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-7-chloro-, (2S)-2-butenedioate (113) (CA INDEX NAME)

CH 1

CHN 262445-26-1

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 CNF C29 R31 C1 F R9 O2 2
 Relative stereochemistry.



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CN 2
 CHN 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 2-A



CN 2
 CHN 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.



HN 262445-31-8 CAPLUS
 CN 2,1,7-Benzothiadiazole-4-sulfonamide,
 N-[4-(4-amino-7-[trans-4-(4-methyl-1-
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-
 methyl-, (2E)-2-isotenedioate (1x3) (CA INDEX NAME)

CN 3
 CHN 262445-30-7
 CNF C30 R34 F R9 O2 S2

Relative stereochemistry.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

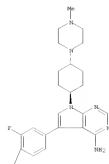


HN 262445-29-4 CAPLUS
 CN 2,1,7-Benzothiadiazole-4-sulfonamide,
 N-[4-(4-amino-7-[trans-4-(4-methyl-1-
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-7-
 methyl-, (2E)-2-isotenedioate (1x3) (CA INDEX NAME)

CN 3
 CHN 262445-28-3
 CNF C30 R34 F R9 O2 S2

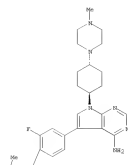
Relative stereochemistry.

PAGE 1-A



15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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CN 2
 CHN 110-16-7
 CNF C4 R4 O4

Double bond geometry as shown.



HN 262445-33-8 CAPLUS
 CN 2,1,7-Benzothiadiazole-4-sulfonamide,
 N-[4-(4-amino-7-[trans-4-(4-methyl-1-
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-
 methyl-, (2E)-2-isotenedioate (1x3) (CA INDEX NAME)

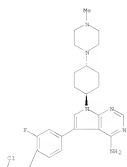
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)
 piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-5-chloro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 3

CHN 262445-32-9

CHF C29 R31 Cl F N9 O2 S2

Relative stereochemistry.



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CH 2

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

CHN 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.



RD 262445-35-2 CAPLUS

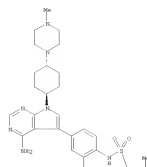
CH Benzoesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-chloro-2-methyl-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1

CHN 262445-74-1

CHF C30 H35 Cl F N7 O2 S

Relative stereochemistry.



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15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

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CH 2

CHN 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.



RD 262445-37-4 CAPLUS

CH Benzoesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-

piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-bromo-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

CH 1

CHN 262445-36-3

CHF C29 R33 Br F N7 O2 S

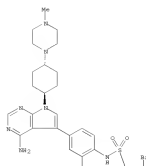
Relative stereochemistry.



PAGE 2-A

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

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CH 2

CHN 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.



RD 262445-39-4 CAPLUS

CH Benzoesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2,5-dibromo-2,4-difluoro-, (2S)-2-butenedioate (1:1) (CA INDEX NAME)

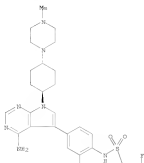
15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

CN 1

CHE 242445-38-5

CHF C29 H30 Br2 F3 N7 O2 S

Relative stereochemistry.



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PAGE 2-A

CN 2

CHE 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

CN 2

CHE 110-16-7

CHF C4 H4 O4

Double bond geometry as shown.



GI:

AR 76-Pyrrolo[2,3-d]pyrimidin-6-amines (I) [wherein A = (un)substituted 6-membered aromatic ring or 5- or 6-membered heterocycle; ring L = 5-substituted, 6-substituted, or 7-substituted; where R₁ = alkyl group which when taken together with the sulfonamide, phosphoramidate or phosphonamide group to which it is bound forms a 5- or 6-membered ring fused to ring A, or L = 5-, 6-, or 7-membered (oxa)azaphosphorinane, or (oxa)azaphosphorinane; ring R = H, aryl, or (un)substituted aliphatic, heteroaromatic, or cycloalkyl; R₂ = (un)substituted (hetero)aryl, (hetero)aromatic, amide, aryl, or (cyclo)alkyl(methyl); R₃ = H, halo, CN, (un)substituted aliphatic, cycloalkyl, (hetero)aromatic, (hetero)aralkyl, amino, or amide; R₄ (un)substituted aliphatic, alkyl, (hetero)cycloalkyl, or (hetero)aromatic; n = 0-2], and physiol. acceptable salts and metabolites thereof, were prepared for example, addition of piperidine to 4-[4-amino-5-(4-phenoxymethyl)-7-pyrrolo[2,3-d]pyrimidin-7-

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



SR 242445-41-0 CAPLUS

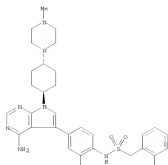
CN Benzotriazolesulfonamide, N-[4-[4-amino-7-[trans-4-(4-methyl-1-piperazinyl)cyclohexyl]-7-pyrrolo[2,3-d]pyrimidin-5-yl]-2-fluorophenyl]-2-azido-, (2S)-2-heterocycle (1:3) (CA 100000000)

CN 1

CHE 242445-40-9

CHF C20 H25 F H3 O4 S

Relative stereochemistry.



PAGE 1-A

F

H2O

PAGE 2-A

15 ANSWER 20 OF 25 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

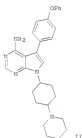
pyridylsulfonamide in H₂O and AcOH, followed by workup and chromatography, gave cis- and trans-1, 2. 1 inhibits histone/threonine and tyrosine kinase activity, which are involved in immunol., hyperproliferative, and angiogenic processes. All exemplified compounds significantly inhibited either PDGF, PDGFR, ROR, Tie-2, Lck, Fyn, Btk, Lyn, or Src at concns. of 5-50 nM, and some significantly inhibited cdc2 at concns. of 50 nM. Thus, these compounds are useful in the treatment of cancer and hyperproliferative disorders, rheumatoid arthritis, disorders of the immune system, transplant rejection, and inflammatory disorders.

REFERENCE COUNT: 12

THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS

FORMAT

RECORD. ALL CITATIONS AVAILABLE IN THE RE



I

II

13	ANMERK 21 OF	CAPLOS	C01027	2007 ACS ON STN
	ACCESSION NUMBER:	2000:210171	CAPLOS	
	DOCUMENT NUMBER:	121251159		
	TITLE:	Preparation of 4-aminopyrrolopyrimidines as protein kinase inhibitors		
	INVENTOR(S):	Childwood, David; Arnold, Lee D.; Mandiyanni,		
	INVENTOR:			
	PATENT ASSIGNEE(S):	Hirst, Gavin Demg, Boyan B.		
	SCIENCE:	RUP Akademieallach, Germany		
	SCORE:	PAT Int. Appl., 342 pp.		
		CDSR: PINKED		
	DOCUMENT TYPE:	Patent		
	LANGUAGE:	English		
	FAMILY ACC. NUM. COUNT:	2		

[illegible]

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OTHEL SOURCE(S):      MARPAT 132:251159
IT  262433-21-6P
    K1:  NAC [Biological activity or effector, except adverse]; RSU
[Biological
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1.5 ANSWER 21 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



300 262433-17-0 CAPLUS
CN 7R-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-(4-amino-3-chlorophenyl)-7-



```

NN  262433-25-0  CAPLUS
CN  7E-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-(3-amino-4-methoxyphenyl)-7-
    cyclohexyl- (CA INDEX NAME)

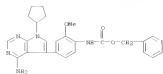
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IN 262433-34-1 CAPLUS
 CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 6-bromo-7-cyclopentyl-5-(4-phenoxyphenyl)- (CA INDEX NAME)

15 ANSWER 21 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)
study, unclassified); RCT (Reactant); SPH (Synthetic preparation); TRU
(Therapeutic use); BLOL (Biological study); PREP (Preparation); RACT
(Reactant or reagent); USES (Uses)
[intermediate; prepn. of 7H-pyrrolo[2,3-d]pyrimidin-4-amines as
protein

kanase inhibitors)
 JEN 262433-21-6 CAPJUS
 CN Carbanic acid,
 [4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-
 2-methoxyphenyl]-3-pyridinemethyl ester (9CI) (CA INDEX NAME)



213743-31-6P 262433-03-6P 262433-17-0P
262433-25-0P 262433-34-1P
R1: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

protein kinase inhibitors}

323 213743-31-8 CAPUS

C20 7H-Pyrrolo[2,3-d]pyridin-4-amine, 7-cyclopentyl-5-(4-phenoxyphenyl)-
(CA INDEX NAME)



JN 262433-03-4 CAPLOS
 CN 7H-Pyrrolo[2,3-d]pyridin-4-amine, 5-(4-amino-3-methoxyphenyl)-7-
 oxabenzofuran-1-yl- (CA INDEX NAME)

1.5 ANSWER 21 OF 25 CAPLOS COPYRIGHT 2007 ACS on STM (Continued)



17 262433-52-3 262433-53-4
 RL: RCT (Reactant); RAC7 (Reactant or reagent)
 (reactant; preparation of 78-pyrrolo[2,3-d]pyrimidin-4-amine a

protein
kinase inhibitors)
HN 262433-51-3 CAPLAS
CN Cyclohexanone,



001 262433-53-4 CAPLUS
002 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 5-(4-amino-3-fluorophenyl)-7-
003 guanosinyl)- (CA INDEX NAME)

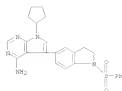


IT 262471-64-1P

15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



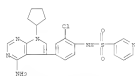
HN 262430-10-4 CAPLUS
CN 12-Tadale, 1-[4-[(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2,3-dihydro-1H-phenylsulfonfyl]- (9CI) (CA INDEX NAME)



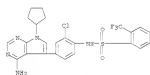
HN 262430-11-5 CAPLUS
CN Benzenesulfonamide,
N-[4-[(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-chlorophenyl]-N-methyl- (CA INDEX NAME)

15 ANSWER 22 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

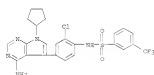
HN 262430-11-9 CAPLUS
CN 3-Pyridinesulfonamide, N-[4-[(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-chlorophenyl]- (CA INDEX NAME)



HN 262430-16-0 CAPLUS
CN Benzenesulfonamide,
N-[4-[(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-chlorophenyl]-2-(trifluoromethyl)- (CA INDEX NAME)

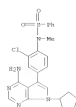


HN 262430-17-1 CAPLUS
CN Benzenesulfonamide,
N-[4-[(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-chlorophenyl]-2-(trifluoromethyl)- (CA INDEX NAME)

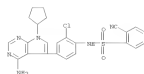


HN 262430-18-2 CAPLUS
CN Benzenesulfonamide,
N-[4-[(4-amino-7-(3-hydroxycyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]- (CA INDEX NAME)

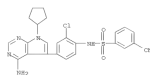
15 ANSWER 23 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 262430-13-7 CAPLUS
CN Benzenesulfonamide,
N-[4-[(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-chlorophenyl]-2-cyano- (CA INDEX NAME)



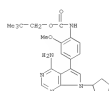
HN 262430-14-8 CAPLUS
CN Benzenesulfonamide,
N-[4-[(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-chlorophenyl]-2-cyano- (CA INDEX NAME)



15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

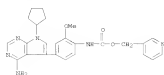


HN 262430-19-3 CAPLUS
CN Carbanic acid,
[4-[(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, 2,2-dimethylpropyl ester (9CI) (CA INDEX NAME)



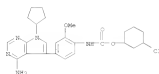
HN 262430-20-6 CAPLUS
CN Carbanic acid,
[4-[(4-amino-7-cyclopentyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-methoxyphenyl]-, 2,2-dimethylpropyl ester, hydrochloride (9CI) (CA INDEX NAME)

15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

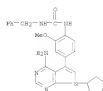


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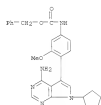
RU 262430-21-7 CAPLUS
 CN Carbanic acid,
 [4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-
 2-methoxyphenyl]-, 3-chlorocyclohexyl ester (PC1) (CA INDEX NAME)



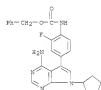
RU 262430-22-8 CAPLUS
 CN Urea, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-
 methoxyphenyl]-N'-(phenylethyl)- (CA INDEX NAME)



15 ANSWER 22 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



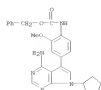
RU 262430-27-3 CAPLUS
 CN Carbanic acid,
 [4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-
 2-trifluoromethylphenyl]-, phenylethyl ester (PC1) (CA INDEX NAME)



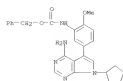
RU 262430-28-4 CAPLUS
 CN Carbanic acid,
 [4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-
 2-(trifluoromethyl)phenyl]-, phenylethyl ester (PC1) (CA INDEX NAME)

15 ANSWER 23 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RU 262430-23-9 CAPLUS
 CN Carbanic acid,
 [4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-
 2-methoxyphenyl]-, phenylethyl ester (PC1) (CA INDEX NAME)

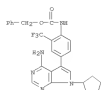


RU 262430-24-0 CAPLUS
 CN Carbanic acid,
 [1-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-
 2-methoxyphenyl]-, phenylethyl ester (PC1) (CA INDEX NAME)

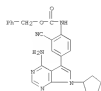


RU 262430-26-2 CAPLUS
 CN Carbanic acid,
 [4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-
 3-methoxyphenyl]-, phenylethyl ester (PC1) (CA INDEX NAME)

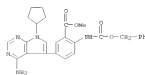
15 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RU 262430-29-5 CAPLUS
 CN Carbanic acid,
 [4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-
 2-oxaphenyl]-, phenylethyl ester (PC1) (CA INDEX NAME)

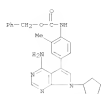


RU 262430-30-8 CAPLUS
 CN Benzoic acid,
 5-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-
 2-[[[phenylthio]carbonyl]amino]-, methyl ester (CA INDEX NAME)

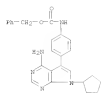


RU 262430-31-9 CAPLUS
 CN Carbanic acid,
 [4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-

15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
2-methylphenyl]-, phenylmethyl ester (PC1) (CA INDEX NAME)



FN 262430-72-0 CAPLUS
CN Carbanic acid, [4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)phenyl]-, phenylmethyl ester (PC1) (CA INDEX NAME)



FN 262430-33-1 CAPLUS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)

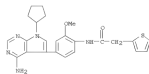
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



FN 262430-74-2 CAPLUS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)



FN 262430-35-3 CAPLUS
CN 2-Thiophenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)



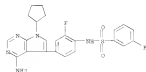
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
FN 262431-01-2 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidine-6-methanamine, 4-amino-7-cyclopentyl-5-(4-phenoxyphenyl)- (CA INDEX NAME)



FN 262431-69-6 CAPLUS
CN Cyclohexanone, 4-[4-amino-3-(4-phenoxypheyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]- (CA INDEX NAME)

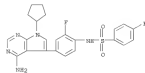


FN 262431-70-9 CAPLUS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-fluoro- (CA INDEX NAME)

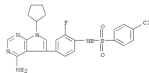


FN 262431-71-0 CAPLUS

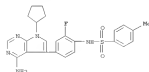
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
FN 262431-72-1 CAPLUS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-fluoro- (CA INDEX NAME)



FN 262431-72-1 CAPLUS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-chloro- (CA INDEX NAME)

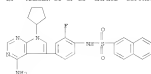


FN 262431-73-2 CAPLUS
CN Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-methyl- (CA INDEX NAME)

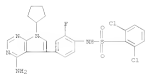


FN 262431-74-3 CAPLUS
CN 2-Naphthalenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]- (CA INDEX NAME)

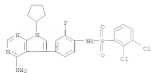
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RD 262431-75-4 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-
 5-yl)-2-fluorophenyl]-2,6-dichloro- (CA INDEX NAME)

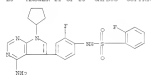


RD 262431-76-3 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-
 5-yl)-2-fluorophenyl]-2,3-dichloro- (CA INDEX NAME)

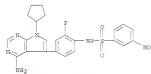


RD 262431-77-6 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-
 5-yl)-2-fluorophenyl]-3-bromo-2-methoxy- (CA INDEX NAME)

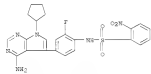
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RD 262431-81-2 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-
 5-yl)-2-fluorophenyl]-3-nitro- (CA INDEX NAME)

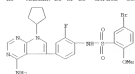


RD 262431-82-3 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-
 5-yl)-2-fluorophenyl]-2-nitro- (CA INDEX NAME)

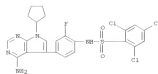


RD 262431-83-4 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-
 5-yl)-2-fluorophenyl]-3-chloro- (CA INDEX NAME)

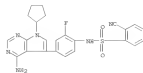
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RD 262431-78-7 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-
 5-yl)-2-fluorophenyl]-2,4,6-trichloro- (CA INDEX NAME)

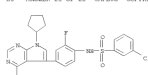


RD 262431-79-8 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-
 5-yl)-2-fluorophenyl]-2-cyano- (CA INDEX NAME)

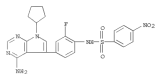


RD 262431-80-1 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-
 5-yl)-2-fluorophenyl]-2-fluoro- (CA INDEX NAME)

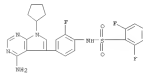
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RD 262431-84-5 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-
 5-yl)-2-fluorophenyl]-4-nitro- (CA INDEX NAME)

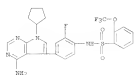


RD 262431-85-4 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-
 5-yl)-2-fluorophenyl]-2,6-difluoro- (CA INDEX NAME)

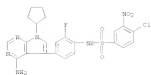


RD 262431-86-7 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-
 5-yl)-2-fluorophenyl]-2-(trifluoromethyl)- (CA INDEX NAME)

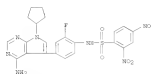
15 ANSWER 21 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



26431-87-8 CAPLOS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-chloro-3-nitro- (CA INDEX NAME)

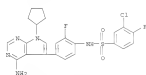


26431-88-3 CAPLOS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dinitro- (CA INDEX NAME)

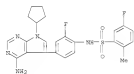


26431-89-0 CAPLOS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methyl- (CA INDEX NAME)

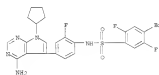
15 ANSWER 21 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



26431-93-6 CAPLOS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-3-fluoro-2-methyl- (CA INDEX NAME)

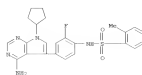


26431-94-7 CAPLOS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-3-bromo-2,3-difluoro- (CA INDEX NAME)

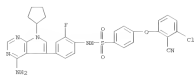


26431-95-8 CAPLOS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-iodo- (CA INDEX NAME)

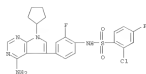
15 ANSWER 21 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



26431-90-3 CAPLOS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-(2-chloro-2-cyanophenyl)- (CA INDEX NAME)

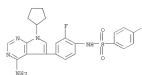


26431-91-4 CAPLOS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-chloro-4-fluoro- (CA INDEX NAME)

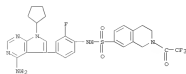


26431-92-5 CAPLOS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-3-chloro-4-fluoro- (CA INDEX NAME)

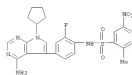
15 ANSWER 21 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



26431-96-9 CAPLOS
 7-fluoro-1,2,3,4-tetrahydro-2-(trifluoroacetyl)-
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-1,2,3,4-tetrahydro-2-(trifluoroacetyl)- (CA INDEX NAME)

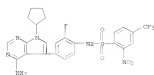


26431-98-1 CAPLOS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methyl-5-nitro- (CA INDEX NAME)

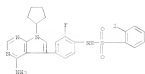


26431-99-8 CAPLOS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-nitro-4-(trifluoromethyl)- (CA INDEX NAME)

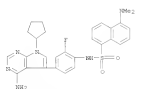
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264432-01-9 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methoxy- (CA INDEX NAME)

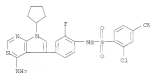


264432-01-0 CAPLUS
CN 1-baphenylbenzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methoxy- (CA INDEX NAME)

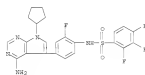


264432-01-1 CAPLUS
CN 1-baphenylbenzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methoxy- (CA INDEX NAME)

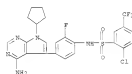
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264432-01-3 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methoxy- (CA INDEX NAME)

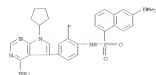


264432-01-4 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methoxy- (CA INDEX NAME)

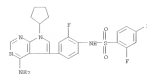


264432-01-7 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methoxy- (CA INDEX NAME)

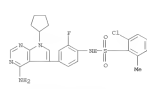
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264432-04-2 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methoxy- (CA INDEX NAME)

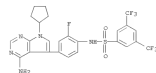


264432-05-3 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methoxy- (CA INDEX NAME)

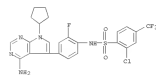


264432-06-4 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methoxy- (CA INDEX NAME)

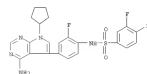
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264432-10-0 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methoxy- (CA INDEX NAME)

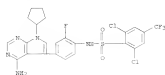


264432-11-1 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methoxy- (CA INDEX NAME)

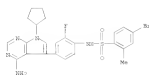


264432-12-2 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methoxy- (CA INDEX NAME)

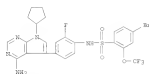
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264432-13-3 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-chloro-2-methyl- (CA INDEX NAME)

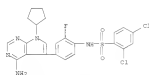


264432-14-4 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-bromo-2-(trifluoromethoxy)- (CA INDEX NAME)

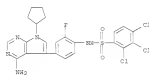


264432-15-5 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,5-dichloro- (CA INDEX NAME)

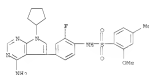
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264432-19-9 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,3,4-trichloro- (CA INDEX NAME)

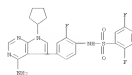


264432-20-2 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-methoxy-4-methyl- (CA INDEX NAME)

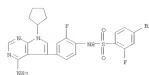


264432-21-3 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-methoxy-2,5-dimethyl- (CA INDEX NAME)

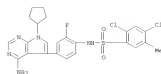
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264432-16-6 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-bromo-2-fluoro- (CA INDEX NAME)

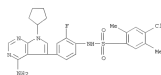


264432-17-7 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro-5-methyl- (CA INDEX NAME)

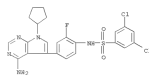


264432-18-8 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dichloro- (CA INDEX NAME)

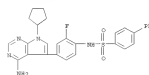
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264432-22-4 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,3-dichloro- (CA INDEX NAME)

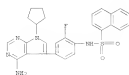


264432-23-5 CAPLUS
 CN 1-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl-4-sulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]- (CA INDEX NAME)

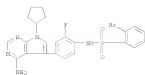


264432-24-6 CAPLUS
 CN 1-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl-4-sulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]- (CA INDEX NAME)

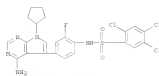
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



26432-25-7 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-bromo- (CA INDEX NAME)

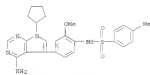


26432-26-8 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4,5-trichloro- (CA INDEX NAME)

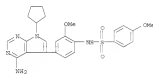


26432-27-9 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-chloro-2-methyl- (CA INDEX NAME)

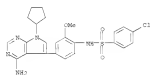
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



26432-31-3 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-4-methoxy- (CA INDEX NAME)

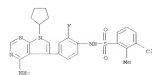


26432-32-6 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-4-chloro- (CA INDEX NAME)

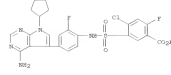


26432-33-7 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-hydroxyphenyl]-4-methoxy- (CA INDEX NAME)

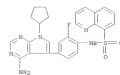
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



26432-28-9 CAPLUS
CN Benzoic acid, 5-[[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]amino]oxy]-4-chloro-2-fluoro- (CA INDEX NAME)

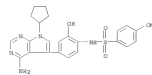


26432-29-1 CAPLUS
CN 8-Quinolinesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]- (CA INDEX NAME)

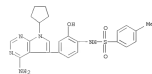


26432-30-4 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-4-methyl- (CA INDEX NAME)

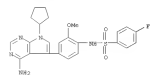
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



26432-34-9 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-hydroxyphenyl]-4-methyl- (CA INDEX NAME)

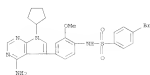


26432-35-9 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-4-fluoro- (CA INDEX NAME)

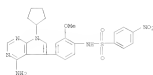


26432-36-0 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-4-fluoro- (CA INDEX NAME)

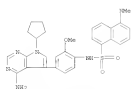
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



262432-37-1 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-4-nitro- (CA INDEX NAME)

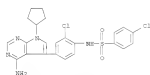


262432-38-2 CAPLUS
CN 1-Baphthalenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]-5-(dimethylamino)- (CA INDEX NAME)

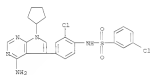


262432-39-3 CAPLUS
CN Benzenesulfonamide, 4-amino-N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)

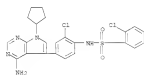
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



262432-43-9 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-2-chloro- (CA INDEX NAME)

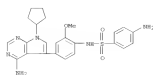


262432-44-0 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-2-chloro- (CA INDEX NAME)

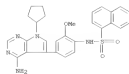


262432-45-1 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]amino]sulfonyl]-4,6-dimethyl- (CA INDEX NAME)

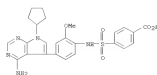
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



262432-49-4 CAPLUS
CN 1-Baphthalenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)

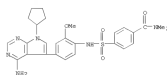


262432-41-7 CAPLUS
CN Benzoic acid, 4-[[[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]amino]sulfonyl]- (CA INDEX NAME)

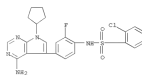


262432-42-8 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-4-chloro- (CA INDEX NAME)

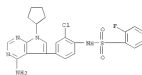
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



262432-46-2 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-chloro- (CA INDEX NAME)

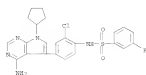


262432-47-3 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-2-fluoro- (CA INDEX NAME)



262432-48-4 CAPLUS
CN Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]-3-fluoro- (CA INDEX NAME)

15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RE 262432-50-8 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]- (CA INDEX NAME)



RE 262432-51-9 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-chlorophenyl]- (CA INDEX NAME)



15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RE 262432-52-3 CAPLUS
 S Benzoic acid,
 5-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-phenyl]methylamino]- (CA INDEX NAME)

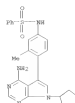


RE 262432-56-4 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-[1,2-dimethylethyl]phenyl]- (CA INDEX NAME)



15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RE 262432-52-6 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-3-methylphenyl]- (CA INDEX NAME)



RE 262432-53-1 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-nitrophenyl]- (CA INDEX NAME)



RE 262432-54-2 CAPLUS
 CN Benzenesulfonamide,
 4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-phenyl- (CA INDEX NAME)

15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

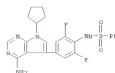
RE 262432-57-8 CAPLUS
 CN Benzoic acid, 5-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-phenyl]methylamino]- (CA INDEX NAME)



RE 262431-58-6 CAPLUS
 CN Benzoic acid,
 5-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-phenyl]methylamino]-, methyl ester (CA INDEX NAME)



RE 262432-59-7 CAPLUS
 CN Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2,6-difluorophenyl]- (CA INDEX NAME)

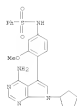


15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

HN 262432-62-2 CAPLUS
 CH Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)

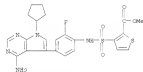


HN 262432-61-3 CAPLUS
 CH Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-1-methoxyphenyl]- (CA INDEX NAME)

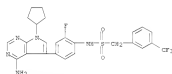


HN 262432-62-3 CAPLUS
 CH Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2,4-dibromo-3,6-difluoro- (CA INDEX NAME)

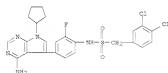
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 dipyrimidin-5-yl)-4-fluorophenyl]amino)sulfonyl]-, methyl ester (CA INDEX NAME)



HN 262432-67-7 CAPLUS
 CH Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-3-(trifluoromethyl)- (CA INDEX NAME)

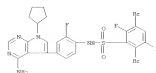


HN 262432-69-9 CAPLUS
 CH Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-3,4-dichloro- (CA INDEX NAME)

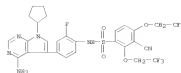


HN 262432-69-4 CAPLUS
 CH Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4-fluoro- (CA INDEX NAME)

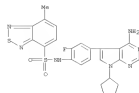
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 262432-63-3 CAPLUS
 CH Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-3-cyano-2,4-bis(2,2,2-trifluoroethoxy)- (CA INDEX NAME)

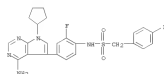


HN 262432-65-5 CAPLUS
 CH 2,1,2-Benzoxadiazole-4-sulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-7-methyl- (CA INDEX NAME)

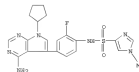


HN 262432-66-4 CAPLUS
 CH 2-Thiophenesulfonyl acid, 3-[[[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-

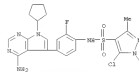
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



HN 262432-70-2 CAPLUS
 CH 1H-Indazole-4-sulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-1-methyl- (CA INDEX NAME)

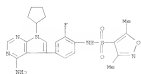


HN 262432-71-3 CAPLUS
 CH 1H-Pyrazole-4-sulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-5-chloro-1,3-dimethyl- (CA INDEX NAME)

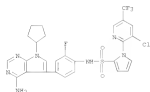


HN 262432-72-4 CAPLUS
 CH 6-Isocarbonylsulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-7,5-dimethyl- (CA INDEX NAME)

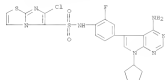
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264432-73-5 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrroline-5-yl}-2-fluorophenyl)-1-(2-chloro-5-(trifluoromethyl)-4-pyridyl)]-

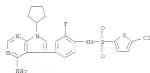


264432-74-6 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrroline-5-yl}-2-fluorophenyl)-4-chloro-2-thiophenesulfonamide]

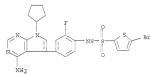


264432-75-7 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrroline-5-yl}-2-fluorophenyl)-5-chloro-2-thiophenesulfonamide]

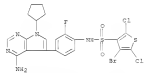
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264432-79-1 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrroline-5-yl}-2-fluorophenyl)-3-bromo-2-thiophenesulfonamide]

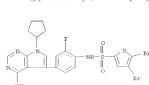


264432-80-4 CAPLUS
CN 3-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrroline-5-yl}-2-fluorophenyl)-3-bromo-2-thiophenesulfonamide]

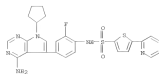


264432-81-5 CAPLUS
CN 16-Indazole-6-sulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrroline-5-yl}-2-fluorophenyl)-1,2-dimethyl-2-thiophenesulfonamide]

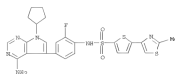
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264432-76-8 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrroline-5-yl}-2-fluorophenyl)-5-(2-bromo-4-thiazolyl)]-

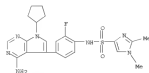


264432-77-9 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrroline-5-yl}-2-fluorophenyl)-5-(2-methyl-4-thiazolyl)]-

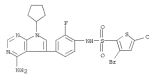


264432-78-0 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrroline-5-yl}-2-fluorophenyl)-5-chloro-2-thiophenesulfonamide]

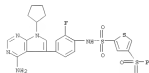
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264432-82-6 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrroline-5-yl}-2-fluorophenyl)-3-bromo-5-chloro-2-thiophenesulfonamide]

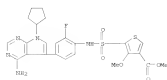


264432-83-7 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrroline-5-yl}-2-fluorophenyl)-4-(phenylsulfonyl)]-

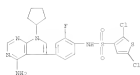


264432-84-8 CAPLUS
CN 3-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrroline-5-yl}-2-fluorophenyl)-4-(phenylsulfonyl)]-4-methoxy-2-methyl-2-thiophenesulfonamide]

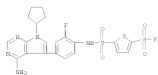
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



30 26432-85-9 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl}-2-fluorophenyl)]-2,5-dichloro- (CA INDEX NAME)

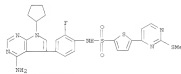


30 26432-86-0 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl}-2-fluorophenyl)]-2,5-dichloro- (CA INDEX NAME)

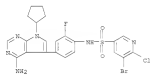


30 26432-87-1 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl}-2-fluorophenyl)]-5-[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]- (CA INDEX NAME)

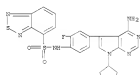
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



30 26432-91-7 CAPLUS
CN 3-Pyridinesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl}-2-fluorophenyl)]-2-bromo-4-chloro- (CA INDEX NAME)

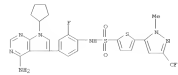


30 26432-92-8 CAPLUS
CN 2,3,3-benzoxadiazole-4-sulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl}-2-fluorophenyl)]- (CA INDEX NAME)

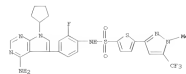


30 26432-93-8 CAPLUS
CN 2,3,3-benzoxadiazole-4-sulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl}-2-fluorophenyl)]- (CA INDEX NAME)

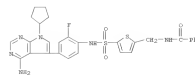
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



30 26432-99-2 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl}-2-fluorophenyl)]-5-[1-methyl-5-(trifluoromethyl)-1H-pyrazol-5-yl]- (CA INDEX NAME)

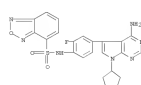


30 26432-99-3 CAPLUS
CN Benzamide, N-[[[4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl}-2-fluorophenyl]amino]methyl]-2-thienylmethyl- (CA INDEX NAME)

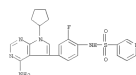


30 26432-99-6 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl}-2-fluorophenyl)]-5-[2-(methylthio)-4-pyrimidinyl]- (CA INDEX NAME)

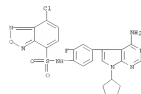
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



30 26432-94-0 CAPLUS
CN 3-Pyridinesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl}-2-fluorophenyl)]- (CA INDEX NAME)

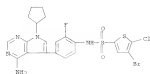


30 26432-95-1 CAPLUS
CN 2,3,3-benzoxadiazole-4-sulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl}-2-fluorophenyl)]-7-chloro- (CA INDEX NAME)

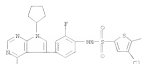


30 26432-96-2 CAPLUS
CN 2-Thiophenesulfonamide, N-[(4-{4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl}-2-fluorophenyl)]-4-bromo-3-chloro- (CA INDEX NAME)

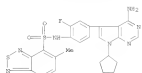
15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264432-97-3 CAPLUS
2-thiophenecarboxamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-4,5-dichloro- (CA INDEX NAME)

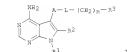


264432-98-4 CAPLUS
2,1,3-benzoxazolin-4-ylidene-4-sulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-5-methyl- (CA INDEX NAME)

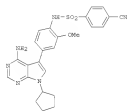


264432-99-5 CAPLUS
2,1,3-benzoxazolin-4-ylidene-4-sulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-5-chloro- (CA INDEX NAME)

15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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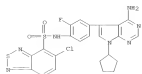
AB 7H-Pyrrolo[2,3-d]pyrimidin-4-amines (I) wherein A = (un)substituted 6-membered aromatic ring or 5- or 6-membered heteroarom. ring; L = $\text{Hm}(\text{R})\text{S}(\text{O})$, $\text{Hm}(\text{R})\text{P}(\text{O})$, or $\text{Hm}(\text{R})\text{P}(\text{O})\text{O}$, where R = alkyl group which when taken together with the sulfonamide, phosphoramidate or phosphonamide group to which it is bound forms a 5- or 6-membered ring fused to ring A, or L = O, S, $\text{N}(\text{R})$, 5-, 6-, or 7-membered (oxa)phosphazone, or (oxa)asaphosphayloalkyl ring, or a variety of linkers containing functional groups; R = H, aryl, or (un)substituted aliphatic, (hetero)aromatic, or cycloalkyl; R1 = H, 2,6-di-, 2,6-diazo-5-yl or (un)substituted (cyclo)alkyl, cycloalkenyl, or phenylalkyl; R2 = H, halo, OH, CH, (un)substituted aliphatic, cycloalkyl, (hetero)aromatic, (hetero)arylalkyl, amino, or arylalkyl

amides R3 (un)substituted aliphatic, alkyl, (hetero)cycloalkyl, or (hetero)aromatic; n = 0-4, and physiol. acceptable salts and metabolites thereof, were prepared

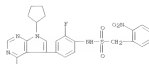
For example, I1 was prepared in a 6-step sequence involving: (1) amine protection of 4-(benzo-2-methoxyaniline with di-tert-butyl dicarbonate, (2) 4-addition of diboron pinacol ester, (3) 4-substitution with 4-chloro-7-methyl-5-iodo-7H-pyrrolo[2,3-d]pyrimidine, (4) deprotection of the amine with $\text{P}(\text{O})\text{Cl}_3$, (5) 4-amination of the pyrrolopyrimidine, and (6) addition of 4-oxanobenzenesulfonyl chloride to the

aniline amine. I1 inhibit serine/threonine and tyrosine kinase activity, affecting neuronal, hyperproliferative, and angiogenic processes. All exemplified compounds significantly inhibited either EGFR, FGFR, ERK, Tie-2, IGF, FGF, Erb, Igf, or Src at doses of $\leq 50 \mu\text{M}$, and some significantly inhibited endo at doses of $50 \mu\text{M}$. Thus, these compounds are useful in the treatment of cancer and hyperproliferative

15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



264433-00-3 CAPLUS
Benzenesulfonamide, N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-fluorophenyl]-2-nitro- (CA INDEX NAME)



01

15 ANSWER 21 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

disorders, rheumatoid arthritis, disorders of the immune system, transplant rejection, and inflammatory disorders.
REFERENCE COUNT: 6
THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RECORD.

FORMAT

15 ANMERK. 22 OF CAPLOS COPYRIGHT 2007 ACS ON STN
ACCESSION NUMBER: 1998:640260 CAPLOS
DOCUMENT NUMBER: 1P1217522
TITLE: Preparation of pyrrole[2,3-d]pyrimidines as tyrosine
kinase inhibitors
INVENTOR(S): David Cohen; Johnston, David Norman;
Kafferty, Paul; Twigg, Helen Louise; Mansbacher,
Rainer; Arnold, Lee
ASSIGNOR(S): EMD Chemicals, Inc.; Fabris, Germany
SOCIETY: PCT Int. Appl., 72 pp.
COUNTRY: P1XKX2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
LATEST INFORMATION: 1

[illegible]

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CITER SOURCE(1):      MAPPAT 129:275922
IT   233743-31-0P     233743-90-90 233743-94-3P
233744-00-0F 233744-26-0F
[Biological
study, unclassified]; NCT (Reactant); SPN (Synthetic preparation); TMC
(Synthetic preparation); RCT (Reactant); PEP (Preparation); RMT
(Reactant or reagent); USES (Uses)
[preparation of biologic]2,3-dipyrindimides as tyrosine kinase
inhibitors:
233743-31-0 CAPSOL

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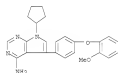
15 ANSWER 22 OF 25 CAPLOS COPYRIGHT 2007 ACS on STN (Continued)



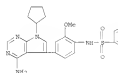
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F02 213744-CG-4 CAPLUS
C02 78-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-cyclopentyl-5-[4-(2-
methoxyethoxymethyl)- (CA INDEX NAME)

```



N0 213744-26-4 CAS/US
 C01 Benzenesulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-
 5-yl)-2-methoxyphenyl]-4-(3,3-dimethylethyl)- ICA INDEX NAME



IT 233743-72-7P 233743-76-1P 233743-78-3P
233743-80-7P 233743-82-9P 233743-92-1P
233743-98-5P 233743-98-7P 233744-02-6P
233744-04-8P 233744-06-0P
Rt: BAC [Biological activity or effector, except adverse]; ESQ
[Biological
study, unclassified]; RPM [Synthetic preparation]; TRU [Therapeutic use]

15 ANSWER 22 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-cyclopentyl-5-(4-phenoxyphe-
(CA INDEX NAME)



RN 213743-90-9 CAPLOS
 CN Benzamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)



```

NN  213743-94-3  CAPLUS
CN  Benzenesulfonamide,
N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyr-5-yl)-2-methoxyphenyl]- (CA INDEX NAME)

```

1.5 ANSWER 22 OF 25 CAPLOS COPYRIGHT 2007 ACS on STM (Continued)
BIOL (Biological study); PREP (Preparation); USES (Uses)
(Import. of mycelio[2,3-dihydroimidazoles as tyrosine kinase inhibitors

2- [4-amino-5- (4-phenoxyphenyl)-7H-pyrrolo [2,3-d]pyrimidin-7-yl]- (CA INDEX NAME)



```

EN 213743-76-1 CAPLUS
CN Cyclopentanol,
3-[4-amino-3-(4-phenoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-
yl]- (CA INDEX NAME)

```



RN 213743-78-3 CAPLOS
 CN 1,2,3-Cyclopentanetriol, 4-[4-amino-5-(4-phenoxyphenyl)-7H-pyrrole[2,3-
 d]pyranidin-7-yl]- (CA INDEX NAME)

15 ANSWER 22 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



22 213743-90-1 CAPLUS
 CH 7β-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-cyclopentyl-5-(2-phenoxyphenyl)-
 (CA INDEX NAME)



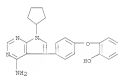
22 213743-82-9 CAPLUS
 CH 7β-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-cyclopentyl-5-(3-phenoxyphenyl)-
 (CA INDEX NAME)



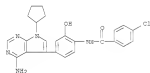
22 213743-92-1 CAPLUS
 CH Benzamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-hydroxyphenyl]-
 (CA INDEX NAME)

15 ANSWER 22 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

22 213744-00-6 CAPLUS
 CH Phenol, 2-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)phenoxy]-
 (CA INDEX NAME)



22 213744-04-8 CAPLUS
 CH Benzamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-hydroxyphenyl]-4-chloro-
 (CA INDEX NAME)



22 213744-06-0 CAPLUS
 CH 7β-Pyrrolo[2,3-d]pyrimidin-6-amine, 6-chloro-7-cyclopentyl-5-(4-phenoxyphenyl)-
 (CA INDEX NAME)



GI

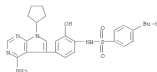
15 ANSWER 22 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



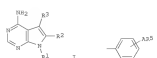
22 213743-96-5 CAPLUS
 CH Benzene sulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-hydroxyphenyl]-
 (CA INDEX NAME)



22 213743-98-7 CAPLUS
 CH Benzene sulfonamide,
 N-[4-(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)-2-hydroxyphenyl]-4-(1,1-dimethyl-2-phenylethyl)-
 (CA INDEX NAME)



15 ANSWER 22 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



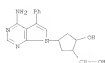
AS The title compound. [R1 = H, 2-phenyl-1,3-dioxan-5-yl, Cl-6 alkyl, etc.;
 R2 = H, Cl-6 alkyl, Cl-6 cycloalkyl, etc.; R3 = (un)substituted Ph, R4 =
 NH, O, NHSO2, etc.; R5 = (un)substituted Ph, and, addn., when A is
 absent.]

AS = phthalimido optionally substituted by halo, (un)substituted
 pyrrolyl(mino), useful in treating proliferative diseases and disorders
 of the immune system in mammals (no data), were prepared. Thus, heating a
 mixture of 2-amino-3-cyano-4-(4-phenoxyphenyl)-1-tert-butylpyrrole
 (preparation

described), formamide and 4-dimethylaminopyridine at 180° for 6 h
 afforded 2 [R1 = tBu; R2 = H; R3 = 4-(PhO)C6H4].

REFERENCE CONT'D 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

15 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
2-hydroxy- (CA INDEX NAME)



RN 194787-44-3 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-cyclopentyl-5-phenyl- (CA INDEX NAME)



RN 194787-46-7 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-cyclohexyl-5-phenyl- (CA INDEX NAME)



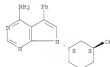
RN 194787-47-3 CAPLUS
CN Cyclohexanone, 2-[(4-amino-5-phenyl-7H-pyrrolo[2,3-d]pyrimidin-7-yl)- (CA INDEX NAME)



15 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 194787-51-4 CAPLUS
CN Cyclohexanone, 2-[(4-amino-5-phenyl-7H-pyrrolo[2,3-d]pyrimidin-7-yl)-, trans- (3CI) (CA INDEX NAME)

Relative stereochemistry.



RN 194787-54-7 CAPLUS
CN 1,2-Cyclopentanediole, 4-[(4-amino-5-phenyl-7H-pyrrolo[2,3-d]pyrimidin-7-yl)- (CA INDEX NAME)



RN 194787-63-3 CAPLUS
CN Phenol, 4-[(4-amino-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-5-yl)- (CA INDEX NAME)

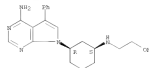


RN 194787-76-3 CAPLUS
CN 1,2-Cyclopentanediole, 4-[(4-amino-5-phenyl-7H-pyrrolo[2,3-d]pyrimidin-7-yl)-, diacetate (ester) (3CI) (CA INDEX NAME)

15 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

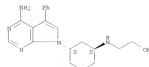
RN 194787-48-9 CAPLUS
CN Rhinane, 2-[(3-(4-amino-5-phenyl-7H-pyrrolo[2,3-d]pyrimidin-7-yl)pyrrolo[2,3-d]pyrimidin-7-yl)-, trans- (3CI) (CA INDEX NAME)

Relative stereochemistry.



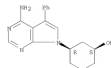
RN 194787-49-0 CAPLUS
CN Rhinane, 2-[(3-(4-amino-5-phenyl-7H-pyrrolo[2,3-d]pyrimidin-7-yl)pyrrolo[2,3-d]pyrimidin-7-yl)-, trans- (3CI) (CA INDEX NAME)

Relative stereochemistry.



RN 194787-50-3 CAPLUS
CN Cyclohexanone, 2-[(4-amino-5-phenyl-7H-pyrrolo[2,3-d]pyrimidin-7-yl)-, cis- (3CI) (CA INDEX NAME)

Relative stereochemistry.



15 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 194787-85-4 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-cycloheptyl-5-phenyl- (CA INDEX NAME)



RN 194787-86-5 CAPLUS
CN Cyclohexanone, 4-[(4-amino-5-(3-methoxyphenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)- (CA INDEX NAME)



RN 194787-87-6 CAPLUS
CN 7H-Pyrrolo[2,3-d]pyrimidin-6-amine, 7-cycloheptyl-5-(3-methoxyphenyl)- (CA INDEX NAME)

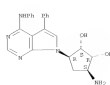


13 NUMBER 25 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER:
 126118159
 TITLE:
 Preparation of carbocyclic nucleosides as adenosine
 kinase inhibitors
 INVENTOR(S):
 Bhagwat, Shun-wei S.; Cowart, Marlow Daniel
 PATENT ASSIGNER(S):
 Abbott Laboratories, USA
 SOURCE:
 CODING: P10002
 DOCUMENT TYPE:
 Patent
 LANGUAGE:
 English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

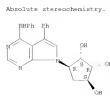
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
MO 964646	AL	19961219	MO 1996-089042	19960606
US 581749	CA, JP, HK			
US 581749	US	20001107	US 1996-631862	19960606
EP 871343	AL	19961028	EP 1996-928151	19960606
EP 871343	AL	20011123		
JP 350852694	JP	20000235	JP 1997-501456	19960606
AT 289206	AT	20011210	AT 1996-818151	19960606
FR2807777 APPL. INFO.	FR	1996-072486	FR 1995-472486	19960607
	US	1996-631862	A 19960606	
	MO	1996-089042	M 19960606	

OTHER SOURCE(S):
 17 104142-35-4P
 R1: SAC (Radiological activity or effector, except adverse); RSU
 (biological)
 study, unclassified); RPH (Synthetic preparation); ROL (Biological
 study); REP (Preparation)
 Preparation of carbocyclic nucleosides as adenosine kinase
 inhibitors:
 RPH 104142-35-4 CAPLUS
 CN 1,2-cyclopentanediol, 3-amino-5-[5-phenyl-4-(phenylamino)-7H-pyrrolo[2,3-
 d]pyrimidin-7-yl]-, (1S,2S,3S,4S)- (CA INDEX NAME)
 Absolute stereochemistry.

15 NUMBER 25 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

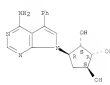


IT 196141-60-6P 196141-61-7P
 RU: RCT (Reactant); RUH (Synthetic preparation); REP (Preparation); RACT
 (Reactant or reagent)
 Preparation of carbocyclic nucleosides as adenosine kinase
 inhibitors:
 RPH 196141-60-6 CAPLUS
 CN 1,2,3-cyclopentanediol, 4-[5-phenyl-4-(phenylamino)-7H-pyrrolo[2,3-
 d]pyrimidin-7-yl]-, (1S,2S,3S,4S)- (CA INDEX NAME)
 Absolute stereochemistry. Rotation (-).



RH 196141-61-7 CAPLUS
 CN 1,2,3-cyclopentanediol,
 4-(4-amino-5-phenyl-7H-pyrrolo[2,3-d]pyrimidin-7-
 yl)-, (1S,2S,3S,4S)- (CA INDEX NAME)
 Absolute stereochemistry. Rotation (-).

15 NUMBER 25 OF 25 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



GI



AS New heterocyclic substituted cyclopentane nucleosides I (X = N, H, alkyl,
 alkoxy; R1 = H, CH3, R2 and R3 = CH, CH2; R4 = H, CH, alkyl, alkoxy; R5
 = H, amino, halogen, CH, cyanoamino, POCH3, heterocyclic; R6 = H, alkyl,
 aryl, arylalkyl, heterocyclic, amino, allylamino, alkoxy, acylamino,
 arylalkyl arylamino, arylheterocyclic, allylheterocyclic, H, heterocyclic,
 hydrazino) were prepared as adenosine kinase inhibitors.

Thus, R1: (1S,2S,3S,4S)-2',3'-dihydroxy-4'-(aminocyclopentyl)-6-chloro-5-
 phenyl-7H-pyrrolopyrimidine was prepared and tested as adenosine kinase
 inhibitor.

10534427b.trn

=>

---Logging off of STN---

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Executing the logoff script...

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FULL ESTIMATED COST	144.62	317.38
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	ENTRY	SESSION
CA SUBSCRIBER PRICE	-19.50	-19.50
STN INTERNATIONAL LOGOFF AT 23:01:13 ON 07 NOV 2007		